

The 50 MHz DX Bulletin

Volume 5, Issue 6

June 1994

ISSN 1073-1024

The 50 MHz DX Bulletin was founded by Harry Schools KA3B. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher is Victor Frank, K6FV. Subscription rates are \$20 U.S. third class mail, \$25 U.S./Canada/Mexico airmail, \$25 by airmail elsewhere for 12 issues. Circulation matters and DX reports should be sent to 12450 Skyline Blvd., Woodside, CA 94062-4541 USA. If you can reach the Internet, my address there is frank@sneezy.sri.com; if you cannot, and have packet, try K6FV@N0ARY.#NOCAL.CA.USA.NA.

East Coast U.S.A. works JY7, 5T5, Europe **Record-breaking 6m Es!**

This summer they were ready! As Herb, W3IWU, recounts: "The best I can piece the story together, Eric {5T5JC} was hearing the WA1OJB and W2CAP/1 beacons from 0800Z {June 13} that's Z NOT EDT!!! 0930 first QSO(?) with K1TOL, no other takers until W1JR about 1000Z. I got the word about 1205Z and got him real quick. He continued in until approx. 1400Z. I understand he worked EM74 and had a near miss with W5NZS. A REAL PLEASURE TO HEAR A MOST COMPETENT CW OP ON ONE OF THESE OPENINGS! Pretty well blanketed W1,2,3,4. Heard him going with K2UOP/8 in WV."

W3IWU also relays the following from G0JHC: "Just spoke to the boys in Jordan on the telephone and this is the story. 6m open all day to Europe on {June} 9th, many new countries worked in Europe. QSOs all day over 4000 km. Late evening went for a meal and left keyer running on 50.110. On return heard weak CW replying. Very clear and no problem with the call (G3KOX on the key and FB op) copied WD4KPD 2/3 times in/out of QSB. QSO took 5 minutes to complete, finished at 2145Z.

Silent Keys

I must report this month the passing of VK4KU, W2LT, and W2IDZ. ZLIMQ says of Bert Clark, VK4KU, "he was the most consistent VK4 station to work ZL in any opening to VK for a number of years." We also learned from Jane Tingey that Hal Tingey, W2LT, died this past May.

I learned of Ed Ladd, W2IDZ's death, June 8, from W3IWU over the Internet. Herb mentioned that Harry, KA3B, had done a profile on him in Volume 1, Issue 5. Herb even sent me copies from Volume 1 that I was missing. Since most of our readers have not seen that profile, I am reprinting most of it here. This is from a letter Ed wrote to Harry, so the "I" refers to W2IDZ.

"I was born in 1914 in New Hampshire. My family moved to Milford, Delaware in 1922 where I got most of my education. When I finished high school, I moved to Reading, Massachusetts where I took a correspondence course in Radio. I got my ham license (W1GHD) there in 1933. In 1934, I moved to Philadelphia, Pennsylvania and got the call of W3ERX. In 1935, I moved to Newark, New Jersey and got the call of W2IDZ. I lived at various locations in New Jersey and have lived at my present address in Colts neck for 22 years.

I worked at various jobs as a radio repairman and as an electrician. I got married in 1936. From 1939 until 1944, I worked as an electrician at Federal Shipyards (a subsidiary of U.S. Steel). While there, I became a supervisor of Radio, Radar, and Underwater Sound Systems—installation and testing. In 1944, I got a job as a technician at Bell Telephone Laboratories in Whippany, New Jersey. I was transferred to their Holmdel, New Jersey location in 1966. I advanced there and became an engineer and a member of their Technical Staff. I retired in 1984. While there, I worked on Bombing and Navigation Systems for the Air Force—on the Distant Early Warning Line (DEW LINE), tropospheric scatter communications, and on the Ballistic Missile Early Warning System (BMEWS). I was a Bell Labs engineering representative on projects which involved a lot of travel, from the end of the Aleutian Islands to the Alaskan mainland, across the Canadian Arctic, Greenland, Iceland, and England. I also worked on air to ground communications on Air Force One and for the Strategic Air Command (SAC). I also worked on the Telstar project and on the Bell System Satellite Communication project. I also worked on some ground stations for NASA. I lost my first wife after about two years of hospitalization. I remarried in 1984 to my present wife, Leta, WA2QCE, SMIRK # 4958.

As for my ham radio background, I have worked all bands 160 meters through 1.25 meters. At the moment, I do not have any equipment above the 50 MHz band. I have never been a very avid DX chaser on the low bands, although I do have DXCC and WAC certificates. Also, I am not a contest operator, but have made first place in the Northern New Jersey (NNJ) section in ARRL VHF Sweepstakes and in SMIRK contests.

On 50 MHz, I have worked 73 countries, 71 confirmed. I have 6 meter WAS #11 for 48 states, since endorsed for 50 states (48 states in 1955, 50 states in 1979). I also have CW-WAS, 50 states, as well as 50 MHz WAC. Also, I hold the first Worked North America award (49 states and all Canadian call areas) and numerous other Canadian awards. Note that I was not active during Cycle 20.

I first got on five meters (56 to 60 MHz) in 1933. Equipment was rather primitive, a super-regenerative receiver and a modulated-oscillator transmitter with a dipole antenna. Maximum distances worked were about 50 miles except from mountain-top locations where contacts up to about 150 miles were made. I used this type of equipment until 1936, when I built a single-conversion (1600 kHz IF) superheterodyne receiver and a VFO-controller master-oscillator power-amplifier (MOPA) transmitter with a 6L6 final, about 15 Watts input. Ground wave distances improved markedly, and in fact I worked some E-skip. About 1939, I modified the MOPA to crystal control. After World War II, I got back on five meters with the same equipment.

I modified the above equipment to work on six meters and made my first contact with W2EUI on the first day the band became legal (3-17-1946). I continued to use the same receiver, but built a crystal-controlled transmitter with an

829B final, 65 Watts input, and worked a lot of E-skip that summer. I worked my first double-hop E-skip in July of 1946. In the fall of 1946, I built a tunable converter and modified a BC-312F, which had excellent selectivity even by today's standards. That fall, I worked my first station by aurora. In October of 1946, I worked some W0s and W9s via a transmission path formed in the ionosphere by meteors following the path of the comet Giacobini-Zimmer, which was very close to Earth. I believe this to be the first authenticated meteor burst communication by amateurs or anyone else.

In the early 50s, I tackled the six meter TVI problem. I wrote a two-part article entitled, "50 Mc TVI, Its Causes and Cures" which was published in QST. Part 1 appeared on page 21 of June 1954, and Part 2 on page 32 of July 1954 QST. The high-pass filters described in that article are very effective.

In 1953, I designed a small, gang-tuned 10-Watt input transmitter for AM & CW as a project for the Morris Radio Club (Morristown, New Jersey). Hundreds of these were built. About 1958, I redesigned this transmitter for commercial manufacture. (It was dubbed the LIL-LULU by W2KNQ and the name stuck.) Two hundred fifty of these were built by Whippany Laboratories in Parsippany, New Jersey. A picture and advertisement is in QST, page 173, December 1963. In 1965, I designed a LIL-LULU receiver for Whippany Laboratories to go with the transmitter. It was the same size as the transmitter and was powered from the transmitter as well. It was for AM, CW, and SSB. Although it was an excellent receiver, it was not satisfactory for SSB because it tuned from 50-54 MHz in one band, and the vernier action of the dial was not good enough. It still cannot be beat for AM or CW, but at that time SSB was starting to take over. Only five of these were built!

Before leaving the subject of LIL-LULU, in January of 1958 I took a LIL-LULU transmitter and a converter with me up to the Canadian Arctic and from different locations above the Arctic Circle worked from border-to-border and coast-to-coast. I had a ball giving VE8 to perhaps 100 stations.

In 1963, I designed and built a 40-Watt gang-tuned AM, CW, FM, and SSB transmitter. It was soon used mostly on SSB. I used this with a converter working into a Collins 75A4 receiver—a combination hard to beat, but not as convenient as a transceiver.

I have often been asked to compare propagation conditions between Cycles 18, 19, 20 and 21. About Cycle 20, I have no first-hand knowledge, as I was not active at that time. From all I hear, and from published sunspot numbers, it was not as good as 18, 19 and 21. It is futile to compare Cycle 18 with later cycles because activity was very low. There were no beacons on then, and in general antennas were smaller and there were not many high-power stations.

It is easy to make generalizations when comparing Cycle 19 to Cycle 21. It's very difficult, however, to be sure. I have a feeling that propagation during Cycle 19 was better than 21. Certainly more F2 DX was worked during Cycle 21 than during Cycle 19. I think this was almost entirely due to the tremendous increase in available equipment and thus increased activity in strange and exotic places. I have heard it said many times and seen it in print that this was due to much better equipment and the use of SSB. This is sheer nonsense. Most of the new receivers today do not have enough RF gain. Intermodulation in them is often very bad and none of them

are better than the Collins 75A4 (and other good receivers of that time) with a good converter ahead of it. Besides, when the chips are down, no mode beats CW. Most of the really exotic DX in both cycles was worked using CW.

The use of transceivers where you transmit and receive on the same frequency is very convenient, but it can also increase QRM to intolerable levels. Split frequency operation is no panacea, but it probably should be used more than it is. Beacons are certainly very useful, but it can be very frustrating to hear a beacon day after day and not ever hear any activity from that area.

A calling frequency is a very useful, but much-abused thing. Ragchewing on the calling frequency is inconsiderate and downright rude. Routine operating on the calling frequency deprives others of its use for calling. I, for one, intend to boycott those that do this routinely. At one time contests were useful to help increase activity, but they have become a curse. Inconsiderate operators on the low end of the band have decreased any chance of hearing or working any rare DX to almost zero. I think contest rules should not allow any domestic contacts below 50.125 MHz. Better yet, even higher in the band, say 50.150 MHz. My reason for this is intermodulation. If there is much high power activity, and if you are trying to hear a weak DX station near this activity, there will probably be some interference. It does not matter whether it is caused by nonlinearities in a transmitter or whether the combined power of many clean transmitters cause intermodulation in your receiver, the end result is the same. Therefore, the further removed from the receive frequency, the better."

I am printing the 73 countries Ed had worked (to February 1988), not because the number of countries worked reflects on how great a radio amateur you are (I do not believe so); but for the historical record, for the old timers amongst us to reminisce over, and the new comers to aspire to. The first column single letter, G=Ground Wave, E=Sporadic-E, F=F2, A=Aurora; the second column single letter, A=AM, C=CW, S=SSB, F=FM.

460317	G A	W2EUI	USA
470523	E A	VE1QZ	CANADA
471104	F C	PA0UN	NETHERLANDS
471122	F C	G5BY	ENGLAND
471123	F C	F8OL	FRANCE
510816	F C	VP7NQ	BAHAMAS
550623	E A	VP9AY	BERMUDA
560530	E A	XE1GE	MEXICO
561027	F A	LU9MA	ARGENTINA
561118	F A	PZ1AE	SURINAM
571102	F C	LA9T	NORWAY
571102	F C	SM5CHH	SWEDEN
571105	F A	EI2W	IRELAND
571123	F A	KL7AZI	ALASKA
580101	F C	CT1CO	PORTUGAL
581116	F C	CT3AE	MADEIRA IS
581127	F C	KH6UK	HAWAII
590723	E A	KP4ACH	PUERTO RICO
620722	E A	PJ2AA	ARUBA
720608	E S	VP5RS	CAICOS IS
720712	E S	8P6EN	BARBADOS
740529	E S	FP8AA	ST PIERRE
740707	E S	TI2NA	COSTA RICA
740476	E S	YV5ZZ	VENEZUELA
770610	E S	WB2RLK/6Y5	JAMAICA
780618	E S	W4UWH/KP2	US VIRGIN IS
780619	E S	VP2MX	MONTSERRAT
780710	E S	FY7AS	FR. GUIANA
781216	F S	K4ERO/HC1	ECUADOR
790218	F C	ZB2BL	GIBRALTAR
790604	S S	VE1AIH/1	SABLE IS
790605	E S	KZ5NW	CANAL ZONE
790607	E S	KG4BN	GUANTANAMO
790918	A C	VE1CR/1	ST PAUL IS
791007	F C	PY2XB	BRAZIL
791116	F S	KX6PF	MARSHALL IS

791119	F S	KG6JQ	GUAM
791122	F F	HK4BI	COLUMBIA
791122	F S	CP8AZ	BOLIVIA
800108	F S	TF3SG	ICELAND
800917	G S	4U1UN	U.N. HQ
801016	F C	ZD8TC	ASCENSION
801026	F C	EL2FY	LIBERIA
801026	F C	ZS3E	S.W. AFRICA
801110*	F S	JA8BXB	JAPAN (*from California)
810527	E S	FM7AB	MARTINIQUE
810529	E S	HI8DAF	DOMINICAN REP
810606	E C	VP2ET	ANGUILLA
810614	E C	VP2VGR	BR VIRGIN IS
810620	E S	ZF2EW	CAYMAN IS
810630	E C	FG0DDV/FS7	ST MARTIN
811024	F C	ZS6LN	SO. AFRICA
811031	F C	5B4AZ	CYPRUS
811108	F C	HP1AC	PANAMA
811108	F S	J6LOV	ST LUCIA
811112	F S	C5AEH	THE GAMBIA
811112	F S	9Y4LL	TRINIDAD
811115	F S	HI8VHF	GALAPAGOS
820615	E S	XEL1JU/XF4	REV. GIGEDO
820709	E C	J88AR	ST VINCENT
830615	E C	W6JKV/TI9	COCOS IS
830627	E C	VP2KBI	ST KITTS
830628	E S	FG0HZW	GUADELOUPE
830712	E S	TG9XX	GUATEMALA
830724	E C	HK0BKX	SAN ANDREAS
840626	E S	W6JKV/OX	GREENLAND
850607	E C	W6JKV/KP5	DESECHO
860623	E S	W6JKV/CU2	AZORES
870613	E S	W6JKV/V2A	ANTIGUA
870619	E S	GW3KEV	WALES
870619	E S	GM3ZBE	SCOTLAND
870624	E C	W6JKV/YV0	AVES IS
870721	E S	GI8YDZ	N IRELAND

CONTACTS BELOW CROSS-BAND 50/28 MHZ

561209	F A	GD3GMH	ISLE OF MAN
791020	F S	DL8ZL	W GERMANY
791020	F S	DW3MHW	WALES
791104	F C	HB9QQ	SWITZERLAND
791115	F C	OE1ETA	AUSTRIA
800106	F C	GM3WOJ	SCOTLAND
800108	F S	HA2RE	HUNGARY
801107	F C	GU2HML	GUERNSEY
801126	F S	EA3ADW	SPAIN
801202	F C	GJ3YHU	JERSEY
811202	F S	CT2EE	AZORES
811204	F S	OK1AXI	CZECHOSLOVAKIA

May, June 1994 DX Reports

The following reports of 50 MHz and high DX heard and worked are courtesy of VHF-UHF Digest, G4UPS, SM7AED, ZL4AAA, ZL1MQ, HL9UH, W3IWU, TI2NA, JA1VOK, K6QXY, KD6GDL, W5NZS, KM1E, WA6VDF/7 WB8YFE, and SP5CCC. Reports of F1MXE, SMs, and OZ3ZW are courtesy of SM7AEDs news sheet. Apologies to any I may have left out. In the tabular listings which follow, the year (1994) is understood, the day of the month precedes the time, and both are in UTC. A + to the right of the time indicates the observation was one of several in a time period and is probably later than stated. The call at the right is that of the observing (and usually reporting) station. Symbols, V = Video Carrier, F = FM audio, B = beacon, C = CW, S = SSB, H = heard only, D = Digital. Since the reports from the Northern Hemisphere are very voluminous this month, we have divided up some of the areas and countries. You will also find Sabah and Philippines in their correct continents (Oceania), and we have split Asia into Middle and Far East.

News of Africa

Ascension Is.:

05091805	ZD8VHF/B 339 (-1827)	B G4UPS
05151532	ZD8VHF/B (-1632)	B F1XME
05151608	ZD8VHF/B 559 (-1644)	B G4UPS

Canary Is.:

05151445+EA8/DJ30S	(-1625)	HB9AMZ
05151703	EA8/DJ30S	OZ3SDL
05151705	EA8/DJ30S	SM7AED
05151713	EA8/DJ30S	OZ3ZW
05151734	EA8/DJ30S 56 IL18AA 50.115 S	SP5CCC
05161343	EA8/DJ30S	SM7AED
05171026	EA8/DJ30S 59 IL18	S G4UPS
05171500+EA8/DJ30S 59		H G4UPS
05211522	EA8/DJ30S 57 IL18	S G4UPS
05232140	EA8/DJ30S (-2155) 50.110 H	W2CAP/1

Malawi:

05161630	7Q7RM	H SM7AED
05171652	7Q7RM 579 KH74	C G4UPS
05171702	7Q7RM & 1736	OZ3ZW
05171705	7Q7SIX/B 339 50.003 B	G4UPS
05171748	7Q7RM	S SM7AED ES+SF

Mauritania:

050918	5T5JC WKG INTO F	G
05141732	5T5JC (-1800)	G3HBR
05171000	5T5JC 59 IL30LM & 1012 S+C	G4UPS
05171002	5T5JC IL30	SM3EQY ES
05171420	5T5JC 59	S G4UPS
05200945	5T5JC	G IO70
0521	5T5JC (FOR 6 HRS 59+20)	G0JHC
05211402	5T5JC 59 & 1429 59 IL30	S G4UPS
06130930	5T5JC	K1TOL
06131000	5T5JC	W1JR
06131210	5T5JC	W3IWU
06131357	5T5JC COUNTRY #86	W5NZS

Morocco:

05141609+CN8ST 55	H G4UPS
05141639	CN8NS 57 IM64 S G4UPS
05151607	CN8ST 599 IM65 & 59 C+G4UPS
05171955	CN8ST 59 (<2030) H G4UPS
05200945	CN8NS G IO70
05211035	CN8ST 59 IM64 S G4UPS
05211205	CN8NS 59 H G4UPS
05211257+CN8HB 59	S G4UPS
05211329	CN8FD 57 IM64 S G4UPS
05221531+CN8ST 59	S G4UPS

News of Asia (Middle East)

Cyprus:

05161434	5B4JE	OZ3ZW
05161440	5B4AAI	OZ3ZW
05221531+5B4CY/B 579		B G4UPS
05221618	5B4AAI 59 KM64QN	S G4UPS

Israel:

05161305	4Z4TT 55	H G4UPS
05161506	4X1IF	SM7AED
05221531+4X1IF 599 WKG G'S		H G4UPS
05221700	4X1IF 449 KM72	C G4UPS

Jordan: From G0JHC and the UKCluster: "As of June 7th 0900Z (when I left the station), JY7SIX had worked the following countries on 50 MHz. Best DX to date is 5T5JC at over 5000 km. 410 QSOs have been logged with around 300 different callsigns: 32 G, 17 OZ, 40 DL, 20 I, 15 SV, 16 YU, 3 SV9, 13 F, 14 9H, 1 JY, 1 GW, 1 CT, 6 LZ, 1 R3, 7 YO, 1 ER5, 1 Z3, 3 OE, 1 5B, 1 5T, 1 CN, 17 PA, 1 EU, 2 OK, 6 ES, 4 LA, 14 SM, 11 9A, 9 S5, 2 SP, 1 HB, 3 ON, 17 OH, 1 EI. 73 Neil G0JHC/JY8JH/JY7SIX"

06021400	JY7SIX 59	S SP
06092140	JY7SIX (-2145)	C WD4KPD

Lebanon:

05161409	OD5SK 55 & 1425 56	H G4UPS
05161445	OD5SK	SM7AED
05221531+OD5SIX/B 579		B G4UPS

News of Asia (Far East)

Asia, General: K6QXY reports hearing TV video carriers around 49.750 from 330 deg, some of which he believes may be from the

area around Vladivostok. The first of these observations was June 29 0517-0552Z after a KL7 opening. The second was June 30 0510-0600, also after a KL7 opening. On the latter he reported multiple carriers all the way from 49.736 to 49.752 MHz.

China:

05210408 BY1PK/JA1BK 50.110 JA3JTG

Hong Kong:

05071145 VR2IH QSL via G4RGK 50.110 C JA1,5
 05071213 VR2IH 50.110 JA6TEW
 05131204 VR2IH (&BY JA5CMO) 50.110 C JR6VSP
 05150404 VR2IH 50.110 JA6TEW
 05201224 VR2IH (&BY JA5CMO) 50.110 JA6TEW
 05201249 VR2IH 50.110 JH1BSJ
 05201320 VR2IH 50.110 C JR6VSP
 05280235 VR2IH 50.110 JA1VOK
 05280243 VR2IH 50.008 JH1WHS
 05301030 VS6XMT 50.110 JA5CMO
 05301105 VR2UW 50.115 JA3JTG
 05301120 VR2IH (& BY JA3JTG) 50.110 JA5CMO
 05301123 VS6XMT 50.115 JA3JTG
 05301130 VR2BZ & VR2UW 50.115 JA5CMO
 06110000 VR2IH (-0430) JA
 06110000 VS6XMT, VS6XMT (-0430) JA
 06120000 VR2IH (-0800) JA
 06120000 VS6BG, VS6XMT (-0800) JA

Japan:

04170923 JS6KXS 57 OKINAWA 50.110 S HL9UH
 04170937 JR6YAG/B 55 PL36 50.037 B HL9UH
 04190925 JF2VNV 429 PM85 50.110 C HL9UH
 04190933 JH1MCX 429 50.115 C HL9UH
 04190934 JC6CVO 419 50.115 C HL9UH
 04190937 JH4UCR 419 50.115 C HL9UH
 04190940 JA6ABG 419 50.110 C HL9UH
 04190947 JH4UCR 539 50.105 C HL9UH
 04200934 JS6KJZ 59 50.140 S HL9UH
 04210816 JA9BHZ 549 50.110 C HL9UH
 04220817 JS6KJZ 59 50.140 S HL9UH
 04220817+JR6YAG/B 599+ B HL9UH
 04240713 JL6FPH 52 50.115 S HL9UH
 04250901 JA5GJN/4 519 50.090 C HL9UH BS
 04300651 JA5AVI 519 50.089 C HL9UH
 04300651+JF3DRI 539 50.110 H HL9UH
 05020245 JA7ZMA/B S9 B HL9UH
 05020253 JR0YEE/B S3 PM97 50.033 B HL9UH
 05030925 JE1PIO 59 50.084 C HL9UH
 05080044 JE3WVA/JR6 59 50.107 S HL9UH
 05080226+JF1RYU, JL1WZU, JA1WWQ 50.107 HL9UH
 05080233+JS1KQN, JA1VWV 50.107 HL9UH

Louis, HL9UH, reports working the following between 0257 and 0315 May 8 on 50.107: J11JCI, JH1JYY, 7J1AQU, JH0EJF, JK3DGG, JF1SNL, JA3OEA, JP3PZD, JF3MYU, JE2EHP, JE3PCP, JF3FOA, JA3BFL, JH3KHS, JG3UYB, JF3SUL, JH3GBD/1, JA7RKL, JK1EBB, JA0GLM, JH7BMZ, JJ3SFW, JI2QDJ, JI3ERV.

05220924 JH7KAG 59 50.115 S HL9UH
 05220929+JA1DKN, JR1FSX, JO1FVW 50.115 HL9UH

Louis, HL9UH, reports working the following on 50.115 on May 24 between 0608 and 0702Z: JA7FSR, JF1MKH, JF1CQH, JE1LDU, JP1QJJ, JS1LYC, JF1BWA, JH0DYN, JE1BQT, JP1PWM, 7M1PUO, JI1MB, JN1WXW, JE1MWM, JH1QTY--then to 2m.

05240707 7N2ADH 59 144.150 S HL9UH
 05240708 JG1AMZ 59 144.155 S HL9UH
 05240723 JH1WHS 59 50.115 S HL9UH
 05250504 JR0YEE/B S2 50.033 B HL9UH
 05250504+JA0DL S5 50.200 HL9UH
 05250722 JE7VMK 53 50.110 S HL9UH
 05250725 JA8NAE 51 50.110 S HL9UH
 HL9UH worked the following on 50.115 between 0750 and 0800Z: JA0FVL/1, JL2CKE, JH9DCX, JO1PNA, JH7QXL, JL1IHE. Then 2m opened. He worked JM1JSM on 144.130 and the following on 144.150: JH1PNG, 7K1VZF, JN1WHW, JO1EBB, JQ1PWI, JM1NKI, JI1THJ, 7L1TLT, 7L2TAQ, 7N2QCU, 7K2MSB, JG1IOK, JQ3LPT, JP1VHT, JG7NPC. At 0826 he worked 7K2MSB on 144.230 and JH0HZO on 50.110 (with no go on 144.3 FM). Between 0833 and 0934, he worked the following between 144.112 and 144.234: JH1PLK, JQ1EEB, JL1LOO, JO1EBB, 7L2PTC, JG7CRR, JA7LJN, JF7AWV, JJ7JII, JG7AQI, JG7WYF, 7N2PKF, JI7XAA.

05270254+JN1YQG 419 50.083 H HL9UH
 05270320 JR6YAG/B S6 B HL9UH
 05280004 JR6YAG/B S3 B HL9UH
 05280004+JS6KJZ S3 0042 S9 50.140 H HL9UH
 05280141 JS6KJZ 59 50.140 S HL9UH
 05280526 JA4OEY/1 539 50.085 C HL9UH
 05280532 JR2UXO S9 50.095 C HL9UH
 05280550 JO1HQC S9 50.210 HL9UH
 05280724+JS6KJZ S9+ 50.140 HL9UH
 05300713 JA6YBR S8 HL9UH
 HL9UH worked the following on 50.110 and 50.115 between 0723 and 0836Z on May 30: JF5NTT, JA5FMP, JE0IUZ/3, JH2VHL, 7L1WQO, JE5AID, JE2DWZ, JH0HQP, 7N2AYA, JM1LIK, JI1YTW, JR1TLP, JH1RZY, JA3JTG, 7L1VET, JM2AAX/2, JE3VAX, JE4HKW, JM2XTP, JR6WXY/3, JA3OMA, JE4COW/m, JP2AZS, JJ3GPJ, JA1ZOT, JI3GGH, JG3AVX, JA1HH.
 05300946 JA3JTG 59 50.115 S HL9UH
 06040301 JA7KDC 539 50.096 C HL9UH
 06040301 JS6KSI S4 50.165 HL9UH
 06040842+JH7PHK 55 & JA7KDC 50.115 S HL9UH
 06040852 JA7EYK 55 50.115 S HL9UH
 06120009 JG2DBL/6 PL24 144. S JA1VOK
 06120021 JR6QYV/M PL36 144. S JA1VOK
 06120052 JG6JEL PL48 144. S JA1VOK

Korea:

05020156 HL1LTC 50.190 JK7KIH
 05080950 HL1AKY 51.020 JH1BSJ
 05081214 HL2/JH4XDO 50.171 JE7RJZ
 05081245 HL2/JH4XDO 50.140 JE1CCD
 05081249 HL5BWV 50.140 JE1CCD
 05140616 HL2TP 50.180 JA3GR
 05140719 HL5PDJ (&BY JA1VOK) 50.156 JE7RJZ
 05140734 HL5PDJ 50.156 JE1CCD
 05140903 HL1FO 50.168 JA1VOK
 05140952 HL2/JH4XDO 50.210 JF2UPM
 05141020 HL2/JH4XDO 50.210 JA1VOK
 05151316 HL2/JH4XDO 50.140 JN1WXW
 05180945 HL2/JH4XDO 50.180 JH1WHS
 05181012 HL2PDJ 50.200 JH1WHS
 05210205 HL2/JH4XDO 50.165 JA6TEW
 05210206 HL2/JH4XDO 50.165 JF1CZQ
 05220046 HL2/JH4XDO 50.210 JH8UQJ
 05230907 HL2FCN 50.200 JH1WHS
 05240657 HL9UH 50.114 JN1WXW
 05240724 HL9UH 50.115 JH1WHS
 05280536 HL5PDJ 50.219 JH1BSJ
 05300812 HL9UH 50.115 JA3JTG
 05310148 HL1LTC 50.180 JA3GR
 06040716 HL2DMO PM37 145. F JA1VOK

Macao:

05131000 XX9AS QSL via KU9C 50.110 JA5CMO
 05131509 XX9AS 50.110 JR6VSP
 05140706 XX9AS 50.110 JE7RJZ
 05150114 XX9AS 50.110 JA6TEW
 05150310 XX9AS 50.110 JA1VOK
 05150340 XX9AS 50.110 JA5CMO
 05201214 XX9AS 50.115 JH1BSJ

Russian Federation, C.I.S. (Asiatic):

06032355 RK0CWC QSL via JR0CGJ JA1VOK
 06040005 RK0CWC (-0034 & 0220-1056) JA1-7,9-0
 06050054+RK0CWC (-0100 & 0856-1030) JA1-0
 06050836+RZ0CZZ (-1030) JA1-0
 06060255+RK0CWC & RZ0CZZ (-0343) JA1-7,9-0
 06060518+RK0CWC & RZ0CZZ (-1225) JA1-7,9-0
 06080141+RK0CWC (-0239) JA1-4,6-7,0

Taiwan:

04300752 BV2FG 579 TAIPEI 50.110 C HL9UH
 05070736 BV2CD/7 50.110 JA3
 05070748 BV2FP 53 50.102 S HL9UH
 05070748+BV2IP S7 50.110 HL9UH
 05071200 BV2FI 50.110 JA5CMO
 05071220 BV2DQ 50.110 JA6TEW
 05081708 BV2KW 50.110 C JR6VSP
 05111345 BV2FS 50.110 JA5CMO
 05130511 BV8BC 50.215 H JA3GR
 05130950 BV2AP 50.110 JA5CMO
 05140200 BV2EI 50.215 JA5CMO
 05140215 BV2FI 50.110 JA1VOK

05140230 BV2HS 50.110 C JA5CMO
 05140345 BV2FI (&BY JA3GR) 50.130 JA3JTG
 05141220 BV8BU 50.110 JA5CMO
 05150403 BV2FG 50.110 JA6TEW
 05201245 BV6AS 50.150 JA6TEW
 05260041 BV2FG 50.110 C JF1CZQ
 05271250 BV2FI 50.230 JA5CMO
 05280052 BV2FG 539 50.110 C HL9UH
 05280220 BV2KW (&BY JH1WHS) 50.110 C JA5CMO
 05280613 BV2FI 50.299 JH1BSJ
 05280650 BV2DP 50.110 C JA5CMO
 05280724 BV2FG 529 50.110 C HL9UH
 06110000 BV2DP,BV2KW (-0430) JA
 06120000 BV2FG,BV2FI (-0800) JA
 06120000 BV2KW,BV2DP (-0800) JA
 06120000 BV6BU,BV8BC (-0800) JA

News of Europe

Europe, General:

04301600 EU TV (<2000) BY W2CAP/1 & K1TOL
 06050445 EU VID,15-20DEG.49.750/.765 K6QXY
 06081415 EUROPEAN VIDEO W1
 06152000-EUR VID? 40-50DEG 48.250+/-V K6QXY EH?
 06152212+EU SEE MSG W3IWU7.MAI VE1PZ

Andorra:

05161730+C31HK 59 H G4UPS
 05191144 C31HK 59 & 1154 59 JN02 S G4UPS

Austria:

05120849+OE2UKL 569 C G4UPS MS
 05161600+OE6WHG (<1700) OZ3ZW
 05191007 OE8TPK 59 JN76 S G4UPS
 05210700 OE2UKL 59 JN67LX 50.109 S SP5CCC
 05210706 OE5EBO 59 JN68KD 50.109 S SP5CCC
 05221020 OE2UKL 59 H G4UPS
 05221647 OE5NNN 599 JN78EB C G4UPS
 05271738+OE1ETA 559 H G4UPS

Azores: QSL CU1EZ via JA1VOK after 5/17/94.

05161730+CU3URA/B 559 50.013 B G4UPS
 05171110+CU3URA/B 559 B G4UPS
 05171330 CU1EZ 59 HM76, BCN 339 S+B G4UPS
 05211433 CU1EZ 55 JN12LG & 59 LATER S G4UPS
 05211455 CU1EZ H SM7AED
 06112100 CU3URA/B (-2230) B W3IWU
 06112100 CU3URA/B (-2230) B W3IWU
 06112110 CU3AC (-2120) W3IWU
 06112110 CU3AC (-2120) W3IWU
 06151200-CU3URA/B (FOR -2 HRS) B VE9AA
 06151219 CU1EZ VE9AA
 06151230 CU1EZ W4DR
 06151240 CU1EZ KB3QM
 06161030 CU3URA/B B W2CAP/1

Balearic Is.:

05150815+EH6VQ, EH3MD (<1000) H SM7AED
 05150921 EH6VQ OZ3ZW
 05151648 EH6FB 59 JM08 S G4UPS
 05151725 EA6/DF5JJ 59 S G4UPS
 05151750 EH6VQ 59 JM19 (-1830) S G4UPS
 05171250+EH6FB 59 H G4UPS
 05171809+EA6/DF5JJ (<1854) OZ3ZW
 05211643 EH6VQ 59 JM19 S G4UPS
 05211645 EA6/DF5JJ 59 JM19 S G4UPS
 05221439 EH6VQ JM19 SM7AED
 05221456 EA6/SK7BV JM19 SM7AED
 05221531+EA6FB 599, EA6/DF5JJ 59 H G4UPS
 05221542 EH6FB JM08 SM7AED

Belarus, C.I.S. QSL info from SM7AED:

EU6MS (ex RC2WBH) V.I. Shedko, Molodezhnaya 165-143,
 211440 Novopolotsk, Belarus
 UC2AA, EU1AA, EV8AA, EW1AA, Valentin Benzar, P.O. Box 41,
 Minsk, Belarus.
 05161116 EU1AA KO33 SM7AED
 05161425+EU1AA, EU6MS (-1755) HB9AMZ
 05161448 EU1AA 599 KO33 C G4UPS
 05170733 EU1AA SM7AED
 05171250 EU1AA 599 KO33SJ C G4UPS

05171503 EU1AA KO33 H SM7AED
 05171609 EU6MS 57 KO45 POOR AUDIO S G4UPS
 05171620 RC2SQC H SM3EQY ES
 05171630 RC2SQC (MOGILEV??) 51.150 F OZ3ZW
 05171636 EW1AA 599 KO33 (EU1AA) C G4UPS
 05210927 EU1AA OZ3ZW
 05210930 EU1AA SM7AED
 05211027 EW1AA OZ3ZW
 05211135 EU6MS 449 POOR QUALITY C G4UPS
 06021728 EU1AA 599 KO33AA 50.115 C SP5CCC

Belgium:

05151726 ON5SE 59 JN29UQ 50.122 S SP5CCC
 05161511 ON1ARQ 59 JO10VX 50.131 S SP5CCC
 05161518 ON1LBU 59 JO10QP 50.131 S SP5CCC
 05161521 ON4PS 57 JO20KQ 50.131 S SP5CCC
 05161524 ON1ANK 59 JO21SE 50.131 S SP5CCC
 06021137 ON5SE 599 JN29UQ 50.108 C SP5CCC
 06251700+ON4KST (<1740) N5JHV

Bulgaria:

05161420 LZ1KDP H SM7AED
 05161425+LZ1KDP (<1755) HB9AMZ
 05161600+LZ1KDP (<1700) OZ3ZW
 05171809+LZ3BD (<1854) OZ3ZW
 05210750+LZ3UF OZ3ZW
 05211201 LZ3BD KN12 SM7AED
 06051216 LZ1JH 59 KN32FR 50.110 S SP5CCC

C.I.S.: stands for Commonwealth of Independent States, the main part of the former Soviet Union. Six News published the following callsign list in their April 1994 issue:

Was	Is/Will be	Is/Will be	Was
UA etc.	RA-RZ, UA, UI	EK	UG
UB	UR-UZ, EM-EO	EM-EO	UB
UC	EU-EW	ER	UO
UD	4J, 4K	EU-EW	UC
UF	4L	EX	UM
UG	EK	EY	UJ
UH	EZ	EZ	UH
UI	UJ-UM	RA-RZ	UA (Russia)
UJ	EY	UA-UI	UA (Russia)
UL	UN-UQ	UJ-UM	UI
UM	EX	UN-UQ	UL
UO	ER	UR-UZ	UB
		4J-4K	UD
		4L	UF

The 1994 Radio Amateurs Callbook, on the other hand, lists the following prefix/country correspondence:

RA, UA, RN, UN, RV, UV -- Russian Federation, CIS
 RW, UW, RZ, UZ -- Russian Federation, CIS
 RB, UB, RT, UT, RY, UY -- Ukraine, CIS
 RC, UC -- Belarus, CIS
 RD, UD -- Azerbaijan, CIS
 RF, UF -- Georgia
 RG, UG -- Armenia, CIS
 RH, UH -- Turkmenistan, CIS
 RI, UI -- Uzbekistan, CIS
 RJ, UJ -- Tajikistan, CIS
 RL, UL -- Kazakhstan, CIS
 RM, UM -- Kirghizstan, CIS
 RO, UO -- Moldavia, CIS

RC2SQC is listed in the Callbook as being in Mogilev, Belarus. There is another Mogilev in the Ukraine, next to Moldavia. The Six News list would put him in the Russian Federation.

There exists some uncertainty about the legality of 6m operation from Ukraine and Moldavia. My HF DX buddy opines, "Get 'em in the log first, ask questions later!"

Corsica:

05151724 TK/F5HRY 59 JN41IW S G4UPS
 05161024 TK/F5HRY 59 JN41 S G4UPS
 05161425+TK/F5HRY (<1755) HB9AMZ
 05161600+TK/F5HRY (<1700) OZ3ZW
 05161802 TK/F5HRY JN41 corsica SM7AED
 05171716 TK/F5HRY OZ3ZW

05221516+TK/F5HRY 59 H G4UPS
 QSL: Herve Biraud, 37 Rue Pierre Brosselette, 91600 Savigny,
 France.

Crete:

05151420+SV9SIX/B B SM3JGG ES
 05151450+SV9SIX/B (<1600) B SM3EQY ES
 05161425+SV9ANK, SV9SIX/B (<1755) B HB9AMZ
 05161442 SV9ANK KM25 SM7AED
 05161453 SV9ANJ H SM7AED
 05161620 SV9BMJ H SM7AED
 05161900 SV9SIX/B 599 B G4UPS
 05210927 SV9SIX/B 579 B G4UPS
 05221642 SV9ANK 59 KM25AA 50.110 S SP5CCC
 05231623 SV9ANJ 59 KM25AA 50.110 S SP5CCC
 05231630 SV9SIX/B 599 KM25 50.010 B SP5CCC
 05271749+SV9ANJ 57 H G4UPS
 05311130 SV9SIX/B 559 B G4UPS
 05311500+SV9SIX/B 599 B G4UPS
 05311512 SV9ANK 57 KM25 S G4UPS

Croatia:

05051031 9A2BZ 59 JN64WU S G4UPS
 05080849+9A2BZ 559 C G4UPS MS
 05151340 9A3AQ SM7AED
 05151420+9A1CRJ (<1500) SM3JGG ES
 05151426+9A1CRJ (<1442) OZ3ZW
 05151730 9A1CRJ SM7AED
 05151730+9A3HZ SM7AED
 05151743 9A3AT SM7AED
 05151748 9A4TK SM7AED
 05151804 9A2BZ SM7AED
 05161318 9A2BZ 59, 9A3FT 59 S G4UPS
 05161400+9A2OB, 9A2BZ (<1530) SM3EQY ES
 05161600+9A2OB, 9A1CCY, 9A3FT (<1700) OZ3ZW
 05161702+9A3CCY 59 H G4UPS
 05170656 9A3FT SM7AED
 05170802+9A2TK 59 G4UPS
 05171347 9A3FT 59 S G4UPS
 05171743 9A3FT OZ3ZW
 05171815 9A3FT 59 H G4UPS
 05190941 9A3TE 59 JN75FM S G4UPS
 05190948 9A2BZ 59 JN64VW S G4UPS
 05210700+9A2OB OZ3ZW
 05221435+9A2BZ 59 H G4UPS
 05221600 9A2KL 59 JN85BQ S G4UPS
 05311512+9A2BZ 59 H G4UPS
 06021129 9A3FT 59 JN83FM 50.112 S SP5CCC

Czech Republic:

05161503 OK1JMW SM7AED
 05171558 OK1FJX 55 S G4UPS
 05211001 OK2BGW JN89 SM3JGG ES
 05211105+OK2TT, OK2RX, OM3CFN (<1120) SM3JGG ES

Denmark:

05011445+OZ1DJJ, OZ2LD (<1710) SM3JGG AU
 05011654 OZ7IGY/B B G AU
 05051120 OZ7IGY/B 579 (-1127) B G4UPS
 05060804+OZ7IGY/B 559 (-0812) B G4UPS
 05081125 OZ1CST 55, OZ2LD 579 C G4UPS MS
 05081125+OZ7IGY/B B G4UPS MS
 05140754 OZ3SDL 44 H G4UPS
 05150747 OZ7IGY/B 559 B G4UPS
 05161338 OZ7IGY/B 599 B G4UPS
 05161404 OZ7DX 59 S G4UPS
 05161420 OZ6VHF/B 599 B G4UPS
 05171410+OZ1MAD 59 G4UPS
 05171645 OZ3SDL 59 S G4UPS
 05181040 OZ6VHF/B 559 (-1046) B G4UPS
 05210959 OZ2LD 55 S G4UPS
 05231002 OZ2LD 559 C G4UPS MS
 06021827 OZ6ABA 59 JO57DJ 50.110 S SP5CCC

England:

05020230+GB3BUX/B B SM3EQY AU
 05020946+G1MLO, G7PBY, G4EHD 50.122 S SP5CCC
 05020953+G3KLL, G6YIN, G4XNS 50.122 S SP5CCC
 05020955+G1CBF, G8BTR, G4JCL 50.122 S SP5CCC
 05020958+G4RQI, G6YPU, G6MZJ 50.122 S SP5CCC
 05021339+G6APD, G3HBR SM3EQY ES
 05021340+G3KLL, 1404 G4HBA H SM3EQY ES

05040922+G3HKB SM3EQY ES
 05070800 G4UPS SM7AED
 05111026 G1LMZ SM3EQY ES
 05141153 GB3BUX/B B SM3EQY
 05151720 G4DEZ SM7AED
 05161346 GB3MCB 599 H SM7AED
 05161512+G8BQX, G6CRX, G6HKM 50.131 S SP5CCC
 05161514 G3MCS 59 IO83AA 50.131 S SP5CCC
 05161517 G0PIK 59 JO02EI 50.131 S SP5CCC
 05161523 G8DJW 57 IO80SQ 50.131 S SP5CCC
 05161524 G1RMN 58 JO02AA 50.131 S SP5CCC
 05161526 G7DWI 57 JO00DT 50.131 S SP5CCC
 05171324 G4UPS SM7AED
 05171359+G0RZK, G1TDQ, G4CI (<1435) SM3EQY ES
 05171359+G1OPW, G1FPW, G8BQH (<1435) SM3EQY ES
 05171359+G3ZVW, G1UKG, G1YDI (<1435) SM3EQY ES
 05171359+G4ALY, G0IMG, G6IFK (<1435) SM3EQY ES
 05171359+G7RPY, G1PEI (<1435) SM3EQY ES
 05171359+G8BDZ, G3UOF, G7EDX (<1435) SM3EQY ES
 05171608 G3AKU SM3JGG ES
 05180801 G4UPS SM7AED ES
 05190447 G3CCH SM7AED
 05190800 G4UPS SM7AED ES
 05201345 GC7SIT/P 59 IO81LQ S G4UPS
 05220919+2E1BMU (<1009) SM3EQY ES
 06021012 G4UPS 599 IO80JV 50.110 C SP5CCC
 06021014 G3ZYY/M 589 IO93AA 50.110 C SP5CCC
 06021156 G0OFE 559 IO90AT 50.108 C SP5CCC
 06021205 G3CEG 599 IO81WS 50.108 C SP5CCC
 06031134 G0DJA 599 IO93AA 50.110 C SP5CCC
 06031135 G3MCS 599 IO93UL 50.110 C SP5CCC
 06152212+G, GW, EI (<2333) BY VE1ZZ, VE1YX, VE1RAA

Estonia:

05151445+ES6QB (-1625) HB9AMZ
 05171129 ES0SIX/B 599 H G4UPS
 05171250+ES6PC 57 B G4UPS
 05171327 ES6SIX/B 599 NEW 50.073 B G4UPS
 05211040 ES6SIX/B 579 B G4UPS
 05211040+ES5QA 559 H G4UPS
 05221415 ES6SIX/B 599 B G4UPS
 05232048 ES1CW H SM3EQY TROP
 05311736 ES0SIX/B 599 (-1815) B G4UPS
 05311736+ES6SIX/B 599 (-1815) B G4UPS

Finland:

05011445+OH3LWP (<1710) SM3JGG AU
 05020230+OH1SIX, OH9SIX B SM3EQY AU
 05051600 OH1SIX/B B SM3EQY AU
 05151638 OH9SIX/B 599 KP36OI 50.067 B SP5CCC
 05151658 OH1IR 59 KP01SC S G4UPS
 05151710 OH9SIX/B B SM7AED
 05151730+OH8MT KP24 SM7AED
 05171431 OH5NR 559 KP30IV C G4UPS
 05171434 OH3XA 59 KP20 S G4UPS
 05171435 OH1SIX/B 599 B G4UPS
 05171500+OH3MF 599 H G4UPS
 05220830 OH1SIX/B 559, 599 LATER B G4UPS
 05220857 OH1IR 579 KP01SC C G4UPS
 05220906 OH1LEU 59 KP01VF S G4UPS
 05220913 OH1VR 599, 59 KP11ST C+S G4UPS
 05220913+OH7AXB 55, OH3MF 599 H G4UPS
 05221435 OH1SIX/B 579 B G4UPS
 05231326 OH1NS/OH0 KP00 SM3EQY
 05231847 OH6MPC KP12 SM3EQY
 06021413 OH1NSJ 55 KP11BQ 50.102 S SP5CCC
 06021415 OH7RJ 59 KP32AA 50.115 S SP5CCC

France:

05070743 F1BBK JN05 SM7AED
 05141205 F5QT 59 JN02 Jean-Paul S G4UPS
 05141420 F1GAB 59 S G4UPS
 05151450+F6FEO (<1600) SM3EQY ES
 05151520+F1BBK (<1530) SM3JGG ES
 05151702+F5SRH, F8ZW (<1740) SM3JGG ES
 05151722 F1BBK 59 JN08PP 50.122 S SP5CCC
 05151724 F1DVO 59 JN09XP 50.122 S SP5CCC
 05151725 F1ERF 59 JN19DH 50.122 S SP5CCC
 05151730 F1DSX 59 JN19IT 50.122 S SP5CCC
 05151739 F6CBH 59 JN19BH 50.115 S SP5CCC
 05151742 F5NLG 59 IN97QU 50.115 S SP5CCC
 05151743 F1PFA 59 JN05RG 50.115 S SP5CCC

05151745 F6ANQ 55 IN94RT 50.115 S SP5CCC
 05151746+F6DBP, F5OZF, F1SAH 50.115 S SP5CCC
 05161400+F1SAH (<1530) SM3EQY ES
 05170913 F/PAORDY/M SM7AED
 05170915 F/PAORDY/M JN34 OZ3ZW
 05171607 F6ANQ OZ3ZW
 05171646 F1MXE SM3EQY ES
 05171809+F5QT (<1854) OZ3ZW
 05191052+FRENCH TV INTERCOMM 50.050 F?G4UPS
 05191109 F1NNE 59 JN26AA S G4UPS
 05210727 F5BUU 55 IN94IU 50.112 S SP5CCC
 05210954+F5QT H SM7AED
 05211552 F6EPE 59 JN23JW S G4UPS
 05211556 F1PUX 59 JN16 S G4UPS
 05220919+F1RG, F1DVO (<1009) SM3EQY ES
 06021141 F8OP 599 JN26MM 50.108 C SP5CCC
 06021159 F6GPT 599 IN94SW 50.108 C SP5CCC

Germany:

05012110 DF8LC SM3EQY ES
 05021317 DL9USA JO71 SM7AED TROP
 05040922 DL7QY SM3EQY ES
 05070743 DJ6TK 579 JO53FG C G4UPS
 05071043 DK4WV SM7AED ES?
 05080819+DJ6TK 559 C G4UPS
 05080849 DL3RBH 579 C G4UPS MS
 05120849 DL4MDQ 559 C G4UPS MS
 05121640 DL1RTD JO62 SM7AED TROP
 05151600+DJ5MN, DL4MDQ (<1700) SM3JGG ES
 05151600+DL2HYM, DL3HRM (<1700) SM3JGG ES
 05151646 DK3AX SM3EQY ES
 05151702+DL3IAE (<1740) SM3JGG ES
 05151704 DL1FAR 59 JO40CB 50.105 S SP5CCC
 05151706 DJ0SL 59 JN49DV 50.105 S SP5CCC
 05151714 DJ2RE 579 JN49HS 50.109 C SP5CCC
 05151728 DL9FCE 59 JO40KF 50.122 S SP5CCC
 05151729 DL3KAY 59 JO30FT 50.122 S SP5CCC
 05151730 DK0HH 59 JO30GL 50.122 S SP5CCC
 05151737 DL5FCJ 59 JO40DH 50.115 S SP5CCC
 05151740 DK4FV 59 JO40AA 50.115 S SP5CCC
 05161009 DL3YT 559 JN48VT C G4UPS
 05161012 DL4SAU 59 JN48OT S G4UPS
 05161014 DJ0GA 59 JN67LU S G4UPS
 05161510 DK5RQ 59 JN68BV 50.131 S SP5CCC
 05161516 DK3RV 59 JO31DG 50.131 S SP5CCC
 05161518 DL1KDA 59 JO30FQ 50.131 S SP5CCC
 05161520 DL3RBH 59 JN68AA 50.131 S SP5CCC
 05161522 DF5DP 59 JO31AA 50.131 S SP5CCC
 05161522 DL5KAT 56 JO30AA 50.131 S SP5CCC
 05161526 DF5AI 57 JO31AA 50.131 S SP5CCC
 05161759 DL2VAA 599 JO60XX C G4UPS
 05171012+DJ0GA 59 H G4UPS
 05171218 DL9USA 59 JO71EN S G4UPS
 05171222 DF4TA, 1310 DJ0GA SM3EQY ES
 05171226+DF2UU, DL8BC, DL9GU JN48/49 SM7AED
 05171353 DJ9YE SM3EQY ES
 05171525+DL9USA (<1740) SM3JGG ES
 05171544 DL3IAE JN49 OZ3ZW
 05210704 DL8MCG 59 JN68AA 50.109 S SP5CCC
 05221643 DL7AV 599 C G4UPS
 06021106 DL2ML 59 JN69BB 50.122 S SP5CCC
 06021140 DJ2RE 599 JN49HS 50.108 C SP5CCC
 06021142 DK7ZB 599 JO51AE 50.108 C SP5CCC
 06021145 DL8FBD 599 JO40KA 50.108 C SP5CCC
 06021153 DF3FJ 589 JO40CC 50.108 C SP5CCC
 06152212+DL7QY (<2333) VE9AA

Gibraltar: SM7AED writes: "ZB2BL got a dipole up on May 2nd, but will replace it soon with a 6 el beam. ZB2IB is also QRV on 50 MHz with a dipole. ZB2VHF is promised to come on 50.035 again."

I notice that none of the above made this month's heard list.

05161425+ZB2EO (<1755) HB9AMZ
 05161815 ZB2EO 559 IM76 C G4UPS
 05171339 ZB2EO 559 IM76 C G4UPS

Greece:

05151055 SV1SIX/B B HB9AMZ
 05151450+SV1OE (<1600) SM3EQY ES
 05161600+SV7AAI, SV7CO (<1700) OZ3ZW
 05221531+SV1SIX/B 569, 579 @ 1702 B G4UPS
 05231637 SV8QG 57 KM39GB 50.110 S SP5CCC
 05261703 SV1BGR 59 KM18UQ 50.115 S SP5CCC

05261704 SV1AB 59 KM18VC 50.110 S SP5CCC
 05311512+SV1SIX/B 579 B G4UPS
 06021106 SV1AB 59 KM18VC 50.122 S SP5CCC
 06021121 SV4AFY 599 KM19LI 50.122 C SP5CCC

Guernsey:

05161400+GU1DWO (<1530) SM3EQY ES
 05161526 GU7DHI 54 IN89RL 50.131 S SP5CCC

Ireland:

05210954+EI7GL H SM7AED
 05210957 EI7GL IO51 OZ3ZW

Italy:

05041000 I2WSG 59 JN45PB S G4UPS
 05041034 IK2GSO 599 JN45 C G4UPS
 05050931 I2WSG 599 JN45 C G4UPS
 05050959 IK2QDX 57 JN45 S G4UPS
 05051044 IK3GHR 599 JN55QQ C G4UPS
 05051048 IK4ADE 59 JN54 S G4UPS
 05071021 IK1EGC SM3EQY ES
 05080910 IK4DRY 59 S G4UPS MS
 05080919 IK2GSO 579 JN45 C G4UPS MS
 05150708 IK0OKY SM7AED
 05150739 I7IWN SM7AED
 05151003 IK0OKY OZ3ZW
 05151135 I8WES, 1147 I8EOC SM7AED
 05151315 I8TUS JM89 SM7AED
 05151355 IK7UXA SM7AED
 05151740 IK0OKY SM7AED
 05160928 IK0RWX 59 JN61GQ S G4UPS
 05160936 IK1EGC 59 JN35 S G4UPS
 05160939 IK5NTE 59 JN52 S G4UPS
 05160952 IK1LGV 579 JN44 C G4UPS
 05161037 IK5EHR 559 JN53 C G4UPS
 05161300 IK2UIX 59+ JN45JN S G4UPS
 05161304 IK7FGE 579 JN71 C G4UPS
 05161309 I2FKF 57 JN45 S G4UPS
 05161400+I6CXD, IK0RWX, IOCT (<1530) SM3EQY ES
 05161425+IK6FGE (<1755) HB9AMZ
 05161510 IK7LMX 59 JN80 S G4UPS
 05161557 IK7EZN 59 JN90DH S G4UPS
 05161848 I4SJJ 59 S G4UPS
 05161906 IK2QDX 59 S G4UPS
 05170646 I2WSG 599 JN45 C G4UPS
 05170802+IK0RWX 59 G4UPS
 05170842 I2ADN SM7AED
 05170859 IK2UIX, 0901 I8TWK OZ3ZW
 05170903 I4GHE, 0904 I3XDL, 0909 I2ADN OZ3ZW
 05171139 IK2IUX, 1143 IK2QDX SM3EQY ES
 05171152 I2ADN, 1234 I7CSB SM3EQY ES
 05171340 IK2QDX SM7AED
 05171351 IV3GBO 59 JN66 S G4UPS
 05171642+IK8SDL, I5VOW, I2TUG (<1659) OZ3ZW
 05171642+IK0IOM, I5RLP, IK4GRC (<1659) OZ3ZW
 05171642+IK6HCX, I0FHZ, I5AZX (<1659) OZ3ZW
 05171642+IV3ABO, I3QDX, IOCMD (<1659) OZ3ZW
 05171700 I2WSG OZ3ZW
 05171809+IK3GLD, IK8FGM, IK8DYD (<1854) OZ3ZW
 05171827 I3ZNI 59 JN55VS S G4UPS
 05171830 IK3HAR 59 JN55QQ S G4UPS
 05171914 IK1LLD 559 JN44CG C G4UPS
 05171918 I4TSB 599 JN64FD C G4UPS
 05171940 IOJX 599 JN61 C G4UPS
 05190950 IV3GBO 59 JN66OA S G4UPS
 05190950+IV3VFP 59 H G4UPS
 05191022 IK2QDX 59 JN45 S G4UPS
 05191026 IK2GSO 59+ JN45 S G4UPS
 05191034 IK2IQD 59 JN45OT S G4UPS
 05191052+I5RRZ H G4UPS
 05191109+IK1LGV 599 H G4UPS
 05210656 IK5OIY 59 JN52NT 50.109 S SP5CCC
 05210718 I4SJJ 59 JN64CJ 50.109 S SP5CCC
 05210724 I2WSG 599 JN45 C G4UPS
 05210740 IK0OKY 57 JN61 S G4UPS
 05210740+IOJX 599 & 0755 JN61 H G4UPS
 05210750+IOJX OZ3ZW
 05210809 IK0BFD 57 H G4UPS
 05210859 IK0IOM 59 JN62 S G4UPS
 05210919 I4JED 59 JN54OK S G4UPS
 05210926 I4XCC 599 JN63 C G4UPS
 05210942 I6KAM 599 JN62QI C G4UPS

05210949 I3EGD 599 JN55JN C G4UPS
 05210949+I4RHP 59, IK0BZY 59 H G4UPS
 05210955 IK2QDX 59 JN45 S G4UPS
 05211020 IK5RLP 59, I2OKW 59 H G4UPS
 05221428 IK0FTA 59 JN61 S G4UPS
 05221435+IK4GNI 59, IK7BFD 59 H G4UPS
 05221503 IK7BFD JN71 SM7AED
 05221514 IK4GNI 59 JN64 S G4UPS
 05221516 I4CKC 579 JN54VO C G4UPS
 05221528 I5AZX 59 JN52GX MARY S G4UPS
 05221816 IK8DYD 59 JN71 S G4UPS
 05261706 IK8DYD 59 JN71AA 50.115 S SP5CCC
 05261741 IK8MKK 59 JN71DB 50.110 S SP5CCC
 05271749 IV3GBO 599 H G4UPS
 05271825+I00GB (-1840) H G4UPS
 05301200 I (-1300) G
 05310830 IK0FTA 59 S G4UPS
 05311154 IK0SME 59 JN61FW S G4UPS
 05311156 IK5RLP 59 JN52LR S G4UPS
 05311200 I6CXD 59 G4UPS
 05311428 IOAMU 59 (-1440) H G4UPS
 05311512+I3EQD 59, IK4DRY 59 H G4UPS
 05311512+I3LLH 59, I4XCX 59 H G4UPS
 06021147 IK2QDX 599 JN45UR 50.108 C SP5CCC
 06021151 I2FUM 599 JN45MT 50.108 C SP5CCC

Jan Mayen: PA3FYM QSPs from Per, JX7DFA, (on June 28) that he was ready to go on 50 MHz, and will be QRV mostly in the (European) evenings, i.e., 1800-2200Z. He monitors 50.110 and when he's absent, he runs a beacon on 50.079. Remco comments: Unfortunately Per's station consists of 10 Watts output and a 'single loop'.

Jersey:
 05220919+GJ4ICD (<1009) SM3EQY ES

Macedonia:
 05161425+Z32BU 44 & 1503 57 KN01 H G4UPS
 05161548 Z32BU SM7AED
 05210750 Z32BU OZ3ZW
 05210900 Z32BU S G0JHC
 QSL: Box 67, 91000 Skopje, Macedonia

Malta:
 05051155 9H4AC 44 H G4UPS
 05141348 9H1SIX/B 569 B G4UPS
 05141348 9H5ET 57 & 1434 JM76GU S G4UPS
 05150912 9H5AB OZ3ZW
 05151600+9H1SIX/B B SM3JGG ES
 05161515+9H1AL 59, 9H5EE 59 S G4UPS
 05161522+9H1SIX/B 599 (-1530) B G4UPS
 05161640 9H4CM H SM7AED
 05161906+9H5ET 59 S G4UPS
 05170830 9H1PA H SM7AED
 05171012+9H5ET 59 H G4UPS
 05261900 9H5DV 55 JM75FV 50.110 S SP5CCC
 05301000 9H (-1040) G

Market Reef:
 05151450+OJ0/OH1WR (<1600) SM3EQY TROP
 05151704 OJ0/OH1VR 59 JP90NH S G4UPS
 05161051 OJ0/OH6RM JP90 SM3EQY TROP
 05161425 OJ0/AC6T 59 JP90NH Steve S G4UPS
 05161425+OJ0/AC6T (<1755) HB9AMZ

Moldavia, C.I.S.:
 05171450 ER5OK KN46 OZ3ZW
 05171500 ER5OK KN46 SM7AED
 05171508 ER5OK SM7AED
 QSL: via I8YGG, Pino Zamboli, Via Trieste 30, I-84015 Nocera Super, Italy??
 Other?: Mike, P.O. Box 7, Chadyr-Lunga, 278700, Moldavia

Netherlands:
 05012110 PA3BFM SM3EQY ES
 05150837 PB0ALN SM3EQY ES
 05151450+PE1MJV (<1600) SM3EQY ES
 05151520+PE1OUC, PA0RLS (<1530) SM3JGG ES
 05160602 PB0ALN SM3EQY
 05161425+PA0RU, PE1MJV (<1755) HB9AMZ
 05161425+PE1OOY, PE1OUC (<1755) HB9AMZ

05161515 PA0LPE 59 JO20WW 50.131 S SP5CCC
 05161515 PE1MZS 59 JO21AA 50.131 S SP5CCC
 05161521 PE1NHA 59 JO21SS 50.131 S SP5CCC
 05161524 PA0AMX 59 JO20VX 50.131 S SP5CCC
 05171356 PE1NDB SM3EQY ES
 06271700+PA3BFM & PA2VST (-1740) N5JHV

Norway:

05011445+LA8BP, LA2TAA (<1710) SM3JGG AU
 05011509 LA2TAA SM7AED AU
 05020251 LA5SAA SM3EQY AU
 05090308 LA5SAA SM3EQY AU
 05151648+LA7SIX/B 599 JP99LO 50.051 B SP5CCC
 05161452 LA9DM 59 S G4UPS
 05171441 LA9ZV 59 S G4UPS

Poland:

05040930 SP6HEI 57 JO81HL S G4UPS
 05050920 SP6GZZ/9 599 JN45 C G4UPS
 05050926 SP6HEI 57 JO81HL S G4UPS
 05080759 SP5CCC H SM3EQY ES
 05080830 SP4CHY 59 KO03GS 50.112 S SP5CCC
 05120813 SP6HEI 57 H G4UPS MS
 05140757 SP6XXL H SM3EQY
 05141136 SP6GZZ 559 C G4UPS
 05151608 SP8MMZ OZ3ZW
 05151632 SP8MMZ KO11 SM7AED
 05161030 SP9SDF JO92 SM3EQY
 05161102 SP8MMZ KO11 SM3EQY ES
 05161425+SP5EFO (<1755) HB9AMZ
 05161425+SR6SIX/B (<1755) HB9AMZ
 05161515 SP5CCC/8 55 S G4UPS
 05161618 SP6GZZ 59 JO81 S G4UPS
 05161620 SP9SDF 59 JO90 S G4UPS
 05161655 SP9DSD 59 JO90KG S G4UPS
 05171148 SR6SIX/B JO81HH FSK B G4UPS
 05171151 SP8MMZ 59 KO11JI S G4UPS
 05171226 SP4TKK 59 S G4UPS
 05171226+SP6HEI 59 H G4UPS
 05171250+SP3VZY 59, SP6GZZ 59 H G4UPS
 05171250+SP6HEI 59, SP5EFO 59 H G4UPS
 05171500+SP5NHF 59, SP6BTI 59 H G4UPS
 05210658 SP5EFO/4 55 KO03TQ 50.109 S SP5CCC
 05211105+SP6GWB JO80 (<1120) SM3JGG ES
 05220820 SP7BCA 55 KO01BW 50.110 S SP5CCC
 05260629 SP5DDJ 599 KO02MD 50.110 C SP5CCC
 05311300 SR6SIX/B 599 B G4UPS
 05311305 SP6GZZ 59 S G4UPS
 05311305 SP6HEI 59 JO81HL S G4UPS
 05311418 SP8MMZ 59 KO11 S G4UPS

Portugal:

05091615 CT0WW/B 579 B G4UPS
 05141200 CT0WW/B 559 C G4UPS
 05141609+CT0WW/B 599 B G4UPS
 05151711 CT1BGE 55 IM58DE 50.105 S SP5CCC
 05151715 CT0WW/B B SM7AED
 05161127 CT0WW/B B SM7AED
 05161425+CS8CBI (<1755) H HB9AMZ
 05161730 CT0WW/B 599 (>2230) B G4UPS
 05161750 CS8CBI 59 IM59HI (CT1CBI) S G4UPS
 05161815+CT1DHM (<1920) H SM7AED
 05162011 CT1VZ 59 IM58JQ S G4UPS
 05170740 CT0WW/B 599 (<1050) B G4UPS
 05170921 CT1WW 59 IN61 S G4UPS
 05171012+CS8CBI 59 H G4UPS
 05171351+CT0WW/B 599 B G4UPS
 05171844+CT0WW/B 599 B G4UPS
 05171902 CT1AUW 59 IN60 S G4UPS
 05191210 CT0WW/B 599 (<1346) B G4UPS
 05191325 CS8CBI 59 (<1346) H G4UPS
 05211150 CT0WW/B 599 (-1920) B G4UPS
 05211205+CS8CBI 59 H G4UPS
 05211241 CT1BH 59 IN51QD S G4UPS
 05211245 CT1BH IN55 H SM7AED
 05211253 CT1BY 57 IM57UB S G4UPS
 05211710 CT0WW/B IN61 B SM7AED
 05211742 CT4KQ IN60 H SM7AED
 05211832 CS8CBI IM59 H SM7AED
 05221824 CT1DVV 59 IN50VH S G4UPS
 05221824+CT0WW/B (<1900) B G4UPS
 05221824+CT1BGE 59, CT1BWU 59 H G4UPS

9

Slovenia:

05070747 S59A 569 & 0825 (S59UN) C G4UPS
 05080819 S59A 579 C G4UPS
 05151342 S52ZW, 1352 S57AC SM7AED
 05151400 S59A SM7AED
 05151420+S57AC (<1500) SM3JGG ES
 05151702+S57C (<1740) SM3JGG ES
 05151717+S55ZRS/B B SM7AED
 05151749 S57C SM7AED
 05161600+S57AC (<1700) OZ3ZW
 05161702 S59A 59 S G4UPS
 05161702+S53ZW 59 H G4UPS
 05161702+S55ZRS/B 599 B G4UPS
 05170802+S57A 59 G4UPS
 05170915 S53ZW 599 JN86 C G4UPS
 05171226+S55ZRS/B 599 B G4UPS
 05171525+S50X (<1740) SM3JGG ES
 05171737 S57AC OZ3ZW
 05171815+S55ZRS/B 599 B G4UPS
 05190901+S55ZRS/B 599 (<1026) B G4UPS
 05191005 S57MC SM3EQY ES
 05221020+S52CO 559 H G4UPS
 05221435+S55ZRS/B 599 B G4UPS
 05221605 S57C 59 JN76 S G4UPS
 05271734+S55ZRS/B 599 B G4UPS
 05271749+S57AC 59 H G4UPS
 05311130+S55ZRS/B 599 B G4UPS
 05311200 S57AC 59 S G4UPS
 05311512+S55ZRS/B 599 B G4UPS
 05311658 S51ZO 59 S G4UPS

Spain:

05091744 EH7AJ 59 IM87 S G4UPS
 05091751 EH5CHT 57 IM97EK S G4UPS
 05091754 EH5BVD 59 IM77OV S G4UPS
 05091837 EH7AH 59 (-1850) S G4UPS
 05092030 EH7AH 59, 2039 EH7AJ 59 S G4UPS
 05092053 EH7DUW 59 IM76SQ S G4UPS
 05141203 EH3BTZ 59 JN01XI S G4UPS
 05141206 EH3ADW 59 JN11 (-1220) S G4UPS
 05141548 EH7BIH 59 IM87CS S G4UPS
 05141609 EH7DUW 59 IM76SQ S G4UPS
 05141629 EH7AH 59 IM67 S G4UPS
 05150925 EH3IH OZ3ZW
 05151735 EH3EHQ 59 JN01IR S G4UPS
 05161028+EH3MD, EH3EH, EH3CCU (<1050) OZ3ZW
 05161102 EH2LU SM7AED
 05161136 EH1EH SM7AED
 05161327 EH1DKV/p IN62 SM7AED
 05161425+EH5BFS, EH7BIH (<1755) HB9AMZ
 05161700 EH3EO 59 JN01 S G4UPS
 05161815 EH5BZS, EH3EO (<1920) H SM7AED
 05161815+EH1DVY/p (<1920) H SM7AED
 05170802+EH1KV 599 G4UPS
 05170916 EH1EH 599 IN82 C G4UPS
 05171037 EH1BCB 59 IN63 S G4UPS
 05171053 EH1DKV/P 59 IN62FW S G4UPS
 05171104 EH1KV 599 IN52 C G4UPS
 05171331 EH7DUW IM76 SM3EQY ES
 05171351+EH1BFZ/P 59 H G4UPS
 05171351+EH7CD 59 H G4UPS
 05171514 EH1EIL (-1705) HB9AMZ
 05171809+EH3IH (<1854) OZ3ZW
 05171809+EH7ATJ ?? (<1854) OZ3ZW
 05171835 EH7DBP 59 IM66UM S G4UPS
 05171927 EH1CBC OZ3ZW
 05171927 EH2AGZ 59 IN91DV S G4UPS
 05191144+EH3IH 59, EH1EH 59 H G4UPS
 05191145 EA3VHF/B 599 (<1346) B G4UPS
 05191221 EH7AG 59 IM86 S G4UPS
 05191221+EH7ESB 59, EH1DVY/P 59 H G4UPS
 05210825 EH7AJ 59 H G4UPS
 05210954 EH3EHQ H SM7AED
 05211121 EH7AJ 59 H G4UPS
 05211205 EH7AG 59, EH7ESB 59 H G4UPS
 05211205+EH7DBP 59, EH5CHT 55 H G4UPS
 05211245 EH1YV 57 IN52 S G4UPS
 05211257 EH2LU 59 IN92 S G4UPS
 05211410 EH1BCB 59 IN63IF S G4UPS
 05211538 EH3ATJ 59 JN12LG S G4UPS
 05211710+EH1EBJ IN73 H SM7AED
 05221435+EH3EHQ 59, EH7BVD 59 H G4UPS

05221531 EH5CJ 59 IM99TL S G4UPS
 05221531+EH3KE 59 H G4UPS
 05221854 EH5CJ IM99 SM7AED
 05251645 EH7ESB 59 (-1648) H G4UPS
 06082100+EH1YV, EH1DKV (<2230) W1
 06082100+EH7AH, EH7AD? (<2230) W1
 06082100+EH7ERS, EH1EH (<2230) W1
 06082140 EH1EH 539 IN81 C KM1E
 06082152 EA1TV 41 IN52 S KM1E

Sweden:

05011445+SM7AED, SM6DWF, SM6CYZ (<1710) SM3JGG AU
 05011503 SM3JGG SM7AED AU
 05040800 SM7AED 579 C G4UPS
 05050801 SM7AED 559 C G4UPS
 05051550 SM3EQY 59A SM7AED AU
 05060801 SM7AED 579 C G4UPS
 05060804 SK6SIX/B 569 (-0812) B G4UPS
 05070800 SM7AED 579 C G4UPS
 05080823 SM3EQY 55 JP81FI 50.112 S SP5CCC
 05100758 SM7AED 599 & 0859 C G4UPS
 05120833 SM7FJE 579 & 0849 C G4UPS
 05120849 SM7FJE 559 C G4UPS MS
 05150800 SM7AED 559 & 1142 579 C G4UPS
 05150804 SM7FJE 559 C G4UPS
 05151701 SM0KCR 59 JO99AK S G4UPS
 05160800 SM7AED 559 C G4UPS
 05161522 SM3EQY 59 S G4UPS
 05171320 SM7AED 59 JO65 S G4UPS
 05171410 SM6MPA 59 JO67AT S G4UPS
 05171500+SM4BZD 59, SM5XML 59 H G4UPS
 05171500+SM6UMO 59 H G4UPS
 05171642 SK7BT 59 JO65NN S G4UPS
 05171658 SM7FJE 59 JO65 S G4UPS
 05180801 SM7AED 599 C G4UPS
 05190800 SM7AED 559 C G4UPS
 05200801 SM7AED 559 C G4UPS
 05210800 SM7AED 559 C G4UPS
 05211007 SM6DWF 599 JO66HR C G4UPS
 05211020+SM6CMU 59 H G4UPS
 05220913+SM5INC 55 H G4UPS
 05231718 SM4BRD JP70 SM3EQY
 05240801 SM7AED 559-599 C G4UPS
 05250801 SM7AED 559 C G4UPS
 05270801 SM7AED 559-579 C G4UPS
 05280800 SM7AED 559 C G4UPS
 05290800 SM7AED 559-599 C G4UPS
 05300801 SM7AED 559-579 C G4UPS
 05310800 SM7AED 559 C G4UPS
 06021823 SM7CMV 57 JO75AM 50.110 S SP5CCC

Switzerland:

05151600+HB9BFG SM3JGG ES
 05191047 HB9STY 57 JN36 BERD S G4UPS
 05191052 HB9SNR 59 JN36 GERARD S G4UPS

Ukraine, C.I.S.

05151624 UTOMN (KIEV) OZ3ZW
 QSL Box 56, 252001 Kiev, Ukraine.
 05161024 UX1MF KN98 KIROVSK/UKRAINE SM7AED
 05171614 UZ2A? KN74? SM3JGG ES

Wales:

05021400 GW0TAU H SM3EQY ES
 05041034 GW3FKB SM3EQY MS
 05211030 GW3LDH H SM7AED

News of North America

I have included a large number of FM Broadcast band (and low-VHF band TV) observations made during a widespread and multiple intense Es openings lasting from April 30 through May 1 (UTC dates). These were reported in VHF-UHF Digest, the Official Publication of the Worldwide TV-FM DX Association. As the observers will be unknown to most of you, I am listing their locations here. Matt Sittel, of 603 Fulton Rd., Apt. B-24, Tallahassee, FL 32312 noted his Es DX while driving from Mullins SC to N. Myrtle Beach SC, showing what can be done with simple receiving gear. Harry J. Hayes, of 9 Henry St., Wilkes-Barre, PA 18702 uses a Jerrold 9-element FM Yagi in his attic. His FM receiver, a GE Superradio, does have a special 110 kHz filter, however.

For TV, he uses an RCA 1971 color TV with switchable quad loops. David J. Nieman, of Rock City, NY, has an outside antenna, but modified IF filter and variable FM trap. He used a VCR tuner and 13" BW TV as monitor. One of their observers, Bill Nienadjad, of P.O. Box 2999, Clifton, NJ, also has a ham license, KF2OK. Greg Coniglio, of 5100 Glenwood Dr., Williamsville, NY 14221 also has an outside antenna, and modified commercial receiver. Jeff Wolf is in Silver Spring MD. Jeff Kruska, of Baton Rouge, LA, also uses quad loops. William Draeb is located in Kewaunee, WI 54216. Another ham is Frank Aden, N7SOK, from Boise, ID. Randy Miltier, KK6TQ, with new QTH in Ashland, OR, reported his DX from Santa Clara, CA using a 12" Quasar color TV with rabbit ears. As Santa Clara is maybe 40 miles from San Francisco it takes a good opening to override them.

I had not received many amateur reports of the above opening, which took place during the Dayton HamVention and the West Coast VHF Conference. Emil, W3EP, reports in July's The World Above 50 MHz in QST on the 12 hours of sporadic E, from 1700Z on April 30 to 0400Z on the 1st: "Ron Klimas, WZ1V, (FN31) made many single-hop contacts into the 4,5,8,9 and 0 call areas. John Finch, KB5QKS (EM44), lists many stations throughout VE1, VE9, VE2, and W1,2,3,4, and 8. Keith Belongia, and WN9PBA (EN62), worked primarily into the Southeast from southern Wisconsin. Steve Harrison, K0OU/4 (FM18) worked KC5EXZ in relatively rare EM53 grid."

Other reporters this month include WA6VDF/7, Peter, P29CW, operating from his parent's QTH in Spirit Lake, ID 83869, near the Canadian border. He encountered some TVI and cordless phone interference even there, and reported: "Not one contest signal heard at this QTH all (June VHF QSO Party) weekend." He has left now for Melbourne, Australia, where he will stay for a year or so before returning to P29. KD6GDL, Steven Smeltzer, is a regular reporter from San Diego. WB6SYB, Robert Buddell, submitted his first report from San Simeon (CM95jp). KB6NAN, Dianne, is a local in Pescadero who, after working CO2OJ was "informed" by a DXer who shall remain nameless that "that was CO2EJ." She reworked CO2OJ a couple days later and verified that she was in his log for the earlier contact.

North America, General:

05292208 W BEACON 50.0667 B TI2NA
05292342+AMERICAN BEACON 559 50.059 B TI2NA

Alaska: K6QXY reports the Alaskan meteor scatter indicators on 40.69 and 42.400 in strong June 29 and June 30 during the KL7 openings reported below. (He also reported 49.75 Asiatic TV, q.v.)

06050445 KL7NO BP54 K6QXY
06070313 KL7NO K6QXY
06070400+KL7 M/S 40.690/42.400 D K6QXY
06290404 KL7Y 56 BP51 (>0500) 50.127 K6FV
06290402 KL7Y K6QXY
06290426 KL7CC K6QXY
06300250 KL7NO H K6QXY

Anguilla, Leeward Is:

06272255 VP2EE FK88 W5NZS
06280018 VP2EE H K6QXY
06282029 VP2EHF W5NZS

Bahamas: Bob, KM1E, operated on 6 meters from C6AGN at Green Turtle Cay, Abaco, Bahamas, FL16 from April 25-May 17, 1994. Below is a report of what he heard. Some, but not all, of these reports are duplicated under the area which he heard or worked.

April 30 worked N9PEZ at 1835Z
May 4 heard YV4AB/B at 2325Z
May 13 minor opening 2310-2335Z. Alerted by KA5FYI/B at 2310. Worked grids EL98, EM12, and EM31. Also heard, but did not work N1EFM in FN55.
May 14 major opening 0034-0305Z. Worked the following grids: DM95, EL98, EN81, EN91, FM17, FM18, FM19, FN02, FN04, EM09, 12, 13, 14, 15, 17, 21, 26, 27, 30, 31, 32, 34, 35, 40, 44, 51, 58, 64, 65, 76, 77, 78, 79, 86, 87, 88, 95, 98
Last signal heard was W7US/B in DM42 at 0305Z, but no QSO in that area in spite of prolonged CQ calls both SSB and CW.

May 14 minor opening 1417-1442Z. Heard N2RTB/B (FN12), VE3UBL/B (FN03). Worked grids FN10 and FN19. Also very surprisingly worked KP4EOR in FK78 off the back of my beam at 1431Z.

May 14 major opening 1621-1752Z. Alerted by very strong signal from W4RFR/B in EM66. In the following 1.5 hours, worked grids:
DM13, 26, 33, 42, 43, 62, 64, 65, 68, 78, 81
EL49, 59, 98 EN41, 52, 61, 62
EM10, 12, 13, 14, 21, 25, 29, 32, 40, 44, 48, 55, 58, 59, 60, 64, 66, 67, 69, 74, 75, 78, 79, 84, 85, 86, 87, 88
Last station worked was N5JHV in DM62 in New Mexico.

05140100 C6AGN WB4WTC
05292155 C6AFP 59 S TI2NA
06091520 C6AFP FL16 KM1E
06102039 C6AFP W5NZS

Belize:

05301400+V31DE (<1700) K6QXY
06282300 V31DE W5NZS

Bermuda:

06272148 VP9/WB4NFS COUNTRY #87 W5NZS

Canada, Eastern:

05010005 VE1PZ W3IWU
05091252 VE3VKI WB4WTC
05141417+VE3UBL/B FN03 B C6AGN
05172118 VE1BB, VE9SM (-2135) WB4WTC
05172215 VE1/VE9 FN65, FN41 WB8YFE
05230440+VE1CW H KD6GDL
05291915+VE3FIT 59 FN03 S TI2NA
05291922+VE3SYK 59 FN04 S TI2NA
05292037 VE1YX 57 FN74 S TI2NA
05292105+VE1MR 57 FN04 S TI2NA
05292115 VE9AA 59 FN S TI2NA
05292129 VE1PZ 57 FN85 S TI2NA

Canada, Western

04270043 CKCK-2 SASK 2011 KM T KK6TQ/CA
05142320 VE4ZK WB4WTC
05142330 VE4, VE5 EN16, EN34 (-0040) WB8YFE
0523 VE4IN, VE6PY, VE7FEI W5FF
05230440+VE7JK, VE7CN H KD6GDL
05281500+VE7 (-1800) K6QXY
05281528 VE7DG CN88 H KD6GDL
06020250+VE7 (<0500) K6QXY
06050445+VE5US/B B K6QXY
06070000+VE6, VE7 (<0500) K6QXY
06070156 VE7PQE CN87 XE1J
06122100+VE6 (<2400) K6QXY
06151611 VE6JW 59 S K6QXY
06151841 N5EPA/VE5 59 S K6QXY
06152000-VE5, VE6 K6QXY
06290023 VE7SKA 59 CN88 50.127 H K6FV
06290024 VE7SKA S KB6NAN

Cayman Is:

06091644 ZF1DC EK99 KM1E
06190141 ZF1DC W5NZS

Costa Rica:

05292230 TI2NA 55 (HD 2200-2350) WB8YFE
06280015 TI2NA K6QXY
06280106 TI4JHQ K6QXY
06281659 TI2NA K6QXY
06282058 TI2NA W5NZS

Cuba:

04072200 Cuba +5 T KRUSZKA/LA
04072204 Cuba #3 T KRUSZKA/LA
04072210 Cuba #6 T KRUSZKA/LA
04072303 Cuba 4 T KRUSZKA/LA
05280149 CO2JA WB4WTC
0529 CO2OJ, CM3ZD WB8YFE
05291922 CM3ZD 59 EL82 S TI2NA
05292235 CO2KK WA4AJP
05301240+CO2KK, CO2JA, CO2OJ (-1400) H WB8YFE
05301350 CO2KK, CO2PL (-1422) WB4WTC
05301515 CO2KK EL83 K6QXY


```

05301614 CM3ZD 59 EL82
05301614+CO2KK 59 EL82
05301614+CO2PL 59 EL80
05301655 CO2HA 53
06020257 CO2LE 55
06040145 CO2JA 57 EL83
06091410 CO2KK MARGINAL
0611 CO2KK, CO2OJ
06182013 CO2OJ
06182353 CO2JA
06261620 CO2OJ
06281828 CO2OJ QSL VIA N6CL
06281828 CO2OJ (IN & OUT ALL DAY)
06282108 CO2OJ
06282215 CM3ZD
06282225 CO2KK

```

S TI2NA
S TI2NA
S TI2NA
S TI2NA
S TI2NA
S TI2NA
H KM1E
W3IWU
W5NZS
W5NZS
S KB6NAN
S KB6NAN
K6QXY
W5NZS
W5NZS
W5NZS

them down as: 67 W1s, 112 W2s, 114 W3s, 435 W4s, 118 W5s, 28 W6s, 46 W7s, 104 W8s, 59 W9s, 85 W0s; 12 countries including XE, CO, VE, VP2E, HH7, C6, V31, ZF, V44, VP5, CU, & TI. He also made two meter scatter QSOs with Florida and Pennsylvania, and a 2m EME QSO with W5UN. Jimmy said six meters would be open at 6 AM local time almost every day while he was in VP5.

05301350+VP5/W6JKV	(-1422)	WB4WTC
05301450 VP5/W6JKV	FL31	K6QXY
06020245 VP5/W6JKV	55	S TI2NA
06081256 VP5/W6JKV		W5NZS
06091415 VP5/W6JKV		KM1E
06102000+VP5		K6QXY
0611 VP5/W6JKV		W3IWU

Guatemala:

0611 TG9AJR

W3

Haiti:

05292023 HH7PV 59 FK28
05301350+HH7PV (-1422)
05301456 HH7PV FK28
06102000+HH2
06102146 HH7PV

S TI2NA
WB4WTC
K6QXY
K6QXY
W5N7S

Jamaica:

05292030 6Y5IC 59
05292339 6Y5IC

S TI2NA
H WB8YFE

Mexico:

```

03162342  XE2EB
05101816  XE2LQB
05111400  XE2LQB      (-1920)
05151600  XE2LQB
05220240  XE2LQB
05220255  XE2LQB
05230353  XE2UZL/B 52 (-0500) 50.028
05230357  XE2EED   DM12      50.130
05232200  XE2LQB
05240000  XE2UZL/B (-0030)
0525      XE3EB
05280149  XE3EB
05291650  XE2LQB   DL44
05301618  XE3EB    EL51
05301800  XE2LQB   59   DL98
06011800  XE2UZL/B (-1810)      50.028
06040159+XE1GE?
06060055  XE2GRR
06091915  XE1J     DK89
06280055  XE1J
06280130  XE1ABA
06292320  XE2HWB

```

TI4JHQ
WB4WTC
WB4WTC
WB4WTC
WB8YFE
WB4WTC
WA6VDF/7
H WA6VDF/7
WB8YFE
B WA6VDF/7
W5FF
WB4WTC
H KD6GDL
K6QXY
S TI2NA
B WA6VDF/7
TI2NA
H KD6GDL
KM1E
K6QXY
K6QXY
S K6QXY

Newfoundland, Canada:

05232028 VO1ZA/B

B EA8/DJ30S

Puerto Rico:

05141431 KP4EOR FK78
05292045 NP4???
06092333 KP4SQ
06092334 WP4KJ
06211524 KP4SQ

C6AGN
S TI2NA
W5NZS
W5NZS
W5NZS

St. Paul Is.: Bob, W4DR, wrote that he and WB4DBB supplied a complete 6 meter station; Hygain 4-el beam, IC-551, and Mirage 1015 amplifier to the N9JCL/CY9 et. al. DXpedition June 11-16. Other calls used were K0SN/CY9 and WC9E/CY9. He reports many QSOs were made on 6, and that QSLs for all calls go to K0SN.

St. Pierre et Miquelon: From SM7AED's 6-metre info, "FP5EK, Ron, told G0JHC by FAX that VE9AA, Mike, and friends were to be QRV on 6m (and HF) from GN16 during the first week of June. Ron will also be QRV on 6m this summer with 10W and a vertical. If you have propagation to W1/VE1VO, you can FAX him on +508-414025 and he will come to the radio ASAP"

Turks & Caicos Is.: Jimmy, W6JKV, made 1300 vhf QSOs from VP5 during his trip in late May and early June. He broke

United States, Eastern (FM,FN):

04302255	W ME			H W3IWU
05010034	WA1OJB/B			B W3IWU
05132215	W1			WB8YFE
05132310	+N1EFM	FN55		H C6AGN
05141417	N2RTB/B	FN12		B C6AGN
05240041	+W FM07,08,18,19	(-0258)		WB6SYB
052401	K1ZZ	FN39?		H KD6GDL
052401	N7QLP	FM19		H KD6GDL
05240118	K1HTV	FM18	50.1685	S KD6GDL
05240124	KA4RRU	FM18	50.1955	S KD6GDL
05240158	N4VA	FM18	50.085	C KD6GDL
05291915	K3QMX	59 FN00		S TI2NA
05292103	K1RAK	59 FN42		S TI2NA
05292105	K5MA/1	57 FN41		S TI2NA
05292105	+W2CAP	57 FN41		S TI2NA
05292105	+W2CAP/B	339	50.0697	B TI2NA
05292115	+KA1A	57 FN43		S TI2NA
05292115	+W3EP	57		S TI2NA
05292115	+WA1RDL	59 FN41		S TI2NA
05292115	+WA3TBG	55 (NH)		S TI2NA
05292155	+KC2QF	57 FN31		S TI2NA
05292200	+N1RWM	59 FN42		S TI2NA
05292200	+N2BFJ	59 FN30		S TI2NA
05292200	+N2QDA	59 FN43		S TI2NA
05292200	+WZ1V	59 FN31		S TI2NA
05292205	KM1H	59+20 FN42		S TI2NA
05292205	+W1BDC	57		S TI2NA
05292235	WB2OHP	55 FN30		S TI2NA
05292253	+K2MUB	55		S TI2NA
05292308	K3MLD	55 FN10		S TI2NA
05292342	K1DAT	55 FM42		S TI2NA
05301712	WB2PFE	55		S TI2NA
05301812	K1SC	55		S TI2NA
06021754	+K2RTH	59		S TI2NA
06021800	K2RP?			S TI2NA
06082100	+K1TOL, WA1OUB	(<2230)		EH
06082100	+KM1E, KM1H, K1JRS	(<2230)		EH
06082100	+W2MPK	(<2230)		EH

United States, Central (W4):

04301440+KD4MXE	EM61	AL			H	W3IWU
04301603	WMBV	91.9	AL,	DIXONS MILL	F	NIEMAN/NY
04301604	WKSJ	94.9	AL,	MOBILE	F	CONIGLIO/NY
04301606	WJDB	95.5	AL,	THOMASVILLE	F	CONIGLIO/NY
04301608	WABB	97.5	AL,	MOBILE	F	CONIGLIO/NY
04301615	WHMA	100.5	AL,	ANNISTON	F	KF2OK/NJ
04301616	WDXX	100.1	AL,	SELMA	F	KF2OK/NJ
04301753	WCDZ	95.1	TN,	DRESDEN	F	KF2OK/NJ
04301815	WREG-3		TN		T	HAYES/PA
05010133+W4RFR/B			(>0300)		B	W3IWU
05010147	WCIV-4	SC	1448	KM	T	DRAEB/WI
05010147	WUNC-4	NC	1263	KM	T	DRAEB/WI
05010147	WWAY-3	NC	1424	KM	T	DRAEB/WI
05010247	WUWF	88.1	FL,	PENSACOLA	F	NIEMAN/NY
05010248	WMKS	92.3	GA,	MILAN	F	CONIGLIO/NY
05010258	WRBA	95.9	FL,	SPRINGFIELD	F	CONIGLIO/NY
05010259	WPCS	89.5	FL,	PENSACOLA	F	NIEMAN/NY
05010300+W4,	W9		(QRT 0430)			W3IWU
05010302	WKRQ-5	AL	1510	KM	T	NIEMAN/NY
05010307	WPAP	92.5	FL,	PANAMA CITY	F	CONIGLIO/NY
05010315	WTVY	95.5	AL,	DOTHAN	F	CONIGLIO/NY
05010320	WKCN	99.3	GA,	LUMPKIN	F	CONIGLIO/NY
05010324	WOGY	94.1	TN,	GERMANTOWN	F	NIEMAN/NY
05141621+W4RFR/B	EM66				B	C6AGN
05212327	WB2QLP	(FL)				WB8YFE

05220000 W4,W8 (-0200)	K6QXY	04301736 KQXY 94.1 TX, BEAUMONT	F NIEMAN/NY
05230000 W4, SC, NC, FL, LA (-0300)	K6QXY	04301738 KKTX 96.1 TX, KILGORE	F HAYES/PA
05230437 WM7A CN87 50.145 S	KD6GDL	04301738 WYCT 94.1 LA, KENTWOOD	F NIEMAN/NY
05240055 KD4GNM EM78	KD6GDL	04301743 KLLI 95.9 TX, HOOKS	F KF2OK/NJ
05240131 AD4FF EM76 50.250 S	KD6GDL	04301747 KOLL 94.9 AR, MAUMELLE	F KF2OK/NJ
05240208 AA4FQ EM67 50.180 S	KD6GDL	04301747 KTCS 99.9 AR, FT SMITH	F HAYES/PA
05291400 W FL	WB8YFE	04301750 KZYP 99.3 AR, PINE BLUFF	F KF2OK/NJ
05291915 WB0MGS 57 EL87	TI2NA	04301751 WJSU 88.5 MS, JACKSON	F NIEMAN/NY
05291934 WA4CHA 59 EL87	TI2NA	04301753 WRKF 89.3 LA, BATON ROUGE	F NIEMAN/NY
05292023 W4DR 59	TI2NA	04301754 KZHE 100.5 AR, STAMPS	F HAYES/PA
05292158 KB4MRX 59 EL93	TI2NA	04301756 WPRL 91.7 MS, LORMAN	F NIEMAN/NY
05292158 KB4SUS 59 EL95, K4DZP 55 S	TI2NA	04301758 KVRE 92.9 AR, HOT SPRINGS	F KF2OK/NJ
05292200 WA4TNN 59 EL95	TI2NA	04301759 WQST 92.5 MS, FOREST	F NIEMAN/NY
05292227 N4VC 57 EM66	TI2NA	04301802 KKYR 102.5 TX, TEXARKANA	F KF2OK/NJ
05292227 WA4NJP 59 EM84 & 2247	TI2NA	04301809 KWCK 99.9 AR, SEARCY	F KF2OK/NJ
05292232 WW9M 59 EN72	TI2NA	04301810 KYKZ 105.7 TX, LONGVIEW	F HAYES/PA
05292253 W3JO 56 EL83	TI2NA	04301815 KEZP 104.3 LA, BUNKIE	F NIEMAN/NY
05292302 AD4F 129.817???	TI2NA	04301817 KBOK 93.3 AR, MALVERN	F KF2OK/NJ
05292315 WA4NJP 59	TI2NA	04301820 KPXI 100.7 TX, MT PLEASANT	F HAYES/PA
05292317 WA4PTZ 55 EM66	TI2NA	04301822 KQUS 97.5 AR, HOT SPRINGS	F KF2OK/NJ
05292317 AD4FF 59 EM76	TI2NA	04301826 KHLT 94.1 AR, LITTLE ROCK	F KF2OK/NJ
05292317 WA4APF 55 EM65	TI2NA	04301835 KEZQ 102.9 AR, SHERIDAN	F KF2OK/NJ
05292317 WB7RW/4 55	TI2NA	05010133 W5VAS/B (>0300)	B W3IWU
05292317 WB0MGS 57 EL87	TI2NA	05010200 KARK-4 AR	T HAYES/PA
05292317 WB4AXQ 55, W4ADP	TI2NA	05010245 WLBT-3 MS	T HAYES/PA
05292330 KD4FTY 55 EM92	TI2NA	05010251 KXKC 99.1 LA, NEW IBERIA	F CONIGLIO/NY
05300004 KC4HBK 55 EL97	TI2NA	05010258 WMAB-2 MS	T HAYES/PA
05300004 KC4YO 59 EM75	TI2NA	05010300 KALB-5 LA	T HAYES/PA
05300010 KD4HLG 55 EM73	TI2NA	05010323 KTBS-3 LA	T HAYES/PA
05300012 WB4UMQ 55 EM74	TI2NA	05010323 WMSU 92.1 MS, STARKEVILLE	F CONIGLIO/NY
05300014 KD4OIG 59 EM72	TI2NA	05010328 WJNS 92.1 MS, YAZOO CITY	F CONIGLIO/NY
05300017 KC4CKS 59 EM74	TI2NA	05010332 WNOE 101.1 LA, NEW ORLEANS	F CONIGLIO/NY
05300021 K6EID 55 EM73	TI2NA	05010335 WLMG 101.9 LA, NEW ORLEANS	F CONIGLIO/NY
05300025 KD4OIG	TI2NA	05010336 KATC-3 LA 1820 KM	T NIEMAN/NY
05301240 W FL (-1400)	WB8YFE	05010336 KLRZ 100.3 LA, LAROE	F CONIGLIO/NY
05301742 W3BTX/4 55 EL98	TI2NA	05010339 WZRH 106.1 MS, PICAYUNE	F CONIGLIO/NY
06020250 W4 EM64	K6QXY	05010340 WGCM 102.3 MS, GULFPORT	F CONIGLIO/NY
06021750 WB0MGS 59 EL87	TI2NA	05010341 WJMI 99.7 MS, JACKSON	F NIEMAN/NY
06021754 KD4ADP 33 EL88	TI2NA	05010342 WKNN 99.1 MS, PASCAGOULA	F CONIGLIO/NY
06021754 WB2QLP/4 59 EL96 & 1912	TI2NA	05010346 KR0F 105.1 LA, ABBEVILLE	F CONIGLIO/NY
06021943 W3BTX/4 57 EL98	TI2NA	05021716 KBTX-3 TX 1736 KM	T DRAEB/WI
06040141 K5YY 55 EM73 & W5MME	TI2NA	05031715 KDFW-4 TX 1532 KM	T DRAEB/WI
0604TEST W4, 5, 6, 7, XE2, VE6, VE7, KL7	K6QXY	05031715 KDTN-2 TX 1532 KM	T DRAEB/WI
06092140 WD4KPD (-2145)	C JY7SIX	05031715 KXAS-5 TX 1545 KM	T DRAEB/WI
06160050 W4 (TN)	K6QXY	05132215 W EN17, EM09, 29, 36, 48, 58	WB8YFE

United States, Central (W5):

04301440 W5VAS/B	H W3IWU	05151730 W STX EL09, EL17 (-2000)	WB8YFE
04301440 W EM50/61/39/66 (-1915)	H W3IWU	05180030 W5 TEX	WB8YFE
04301540 KROK 92.1 LA, DERIDDER	F KF2OK/NJ	05230357 W5WHV 50.125 CH	WA6VDF/7
04301542 KSBJ 89.3 TX, HOUSTON	F KF2OK/NJ	05232200 W5 TX	WB8YFE
04301544 KTFA 92.5 TX, GROVES	F CONIGLIO/NY	05240026 K5WXN DM61 (TX) (-0102) 144.	WB8YFE ES
04301545 KYKR 95.1 TX, BEAUMONT	F KF2OK/NJ	05240041 W EM56, 74, 75, 77 (-0258)	WB6SYB
04301546 KLTN 93.3 TX, PT ARTHUR	F CONIGLIO/NY	05250145 KD5OAI EM22	S KD6GDL
04301550 KUEZ 99.3 TX, LUFTKIN	F KF2OK/NJ	05301808 W3XO 59 EM00	S TI2NA
04301551 KODA 99.1 TX, HOUSTON	F CONIGLIO/NY	05301809 W5KFT 55 EM00	S TI2NA
04301551 KYKR 95.1 TX, BEAUMONT	F CONIGLIO/NY	05301813 KY5N 55 EL18	S TI2NA
04301559 WCKW 92.3 LA, LAPLACE	F CONIGLIO/NY	05311659 W3XO/5 50.105	CH KD6GDL
04301630 KMGK 106.1 LA, MONROE	F KF2OK/NJ	05311700 W5 (TX) (-1800)	K6QXY
04301633 KDBH 97.7 LA, NATCHITOCHESF	F KF2OK/NJ	05311714 W50ZI/M EM00	S KD6GDL
04301638 KYKZ 96.1 LA, LAKE CHARLESF	HAYES/PA	05311720 N5SJS EM01	S KD6GDL
04301640 KBTX-3 TX	T HAYES/PA	06040143 W5MUG	S TI2NA
04301643 KSCS TX & WJDX MS 96.3	F HAYES/PA	06040154 K5UR 59 EM35	S TI2NA
04301644 KITT 93.7, KWKH 94.5 LA	F KF2OK/NJ	06040159 WD5EW? 55	S TI2NA
04301657 KVKI 96.5 LA, SHREVEPORT	F KF2OK/NJ	06040212 N5JJS/5 57 EM32 & 0217	S TI2NA
04301659 KOET-3 OK	T WOLF/MD	06040232 WD5FEN 55 EM14 & W5FUA	S TI2NA
04301659 WDSU-6 LA 1688 KM	T NIEMAN/NY	06040238 W5KFI 55 EM00	S TI2NA
04301659 WTGE 100.7 LA, BATON ROUGE	F NIEMAN/NY	06090230 W5 (TX, DM81) (-0300)	K6QXY
04301700 KALB-5 LA 1743 KM	T NIEMAN/NY	06102000 W5VAS/B EM50	B K6QXY
04301700 KALK 97.7 TX, WINFIELD	F KF2OK/NJ	06160050 W5 (OK)	K6QXY
04301700 KVLL 94.7 TX, WOODVILLE	F HAYES/PA	06212320 W EL39/49 (-220220) 144 H	W3IWU
04301700 KVMA 107.9 AR, MAGNOLIA	F KF2OK/NJ	06212320 W EM12/10/61/32/42/51 144 H	W3IWU
04301701 KKTX 96.1 TX, KILGORE	F KF2OK/NJ	06212320 W EM31/40/50/21/22/20 144 H	W3IWU
04301705 KDOK 92.1 TX, TYLER	F KF2OK/NJ	06212320 W EM33/43/EL29/09/59/ 144 H	W3IWU
04301705 KWKH 94.5 LA, SHREVEPORT	F HAYES/PA	06281946 W5VAS/B 349 LA EM50 50.061 B	K6FV
04301708 KAFX 95.5 TX, DIBOLL	F HAYES/PA		
04301713 KNOQ 96.7 TX, MINEOLA	F KF2OK/NJ		
04301720 WTYX 94.7 MS, JACKSON	F NIEMAN/NY		
04301725 KSMB 94.5 LA, LAFAYETTE	F NIEMAN/NY		
04301727 KJRH-2 OK	T WOLF/MD		
04301728 KDQN 92.7 AR, DEQUEEN	F KF2OK/NJ		
04301729 KGAP 92.7 AR, GORDON	F KF2OK/NJ		

United States, Central (W3,8,9,0):

04301716 KLQL 101.1 MN, KKCK 99.7 MN	SITTEL/SC
04301726 KCZet 95.1 IA	F SITTEL/SC
04301732 KBRK 93.7 SD	F SITTEL/SC
04301750 WBOB 100.3 MN, KSTP 94.5 MN	SITTEL/SC
04301757 WCOW 97.1 WI	F SITTEL/SC
04301758 KARP 96.1 MN, KNOW 91.1 MN	SITTEL/SC

04301819 WJMC 96.3 WI, WIFC 95.5 WI SITTEL/SC
 04301826 WYTE 96.7 WI F SITTEL/SC
 04301835 N9PEZ C6AGN
 04302330 W OH (REAL SHORT) H W3IUW
 05010309 KTVI-2 MO T WOLF/MD
 05220053 KORI WB8YFE
 05230222 NOLL 50.170 H WA6VDF/7
 05230222+WD0FQK 50.140 H WA6VDF/7
 05240112 WZ8D EM79 S KD6GDL
 05292200 N8AXA 59 EM79 & 2227 S TI2NA
 05292205+K0BI 59 EN72 S TI2NA
 05292227+WB8HFE 55 S TI2NA
 05292232+KU8U 59 EN72 S TI2NA
 05292232+WB8TDG 55 EM79, WB8YFE 59 S TI2NA
 05292253 WA8VVM 57 EM89 S TI2NA
 05292308+KB9IEC 59 EM69 S TI2NA
 05292313 KA9UVY 57 EM58 S TI2NA
 05301744 W9GWT 55 EL98 S TI2NA
 06021754+N8GHU 59 EM89 S TI2NA
 06021905 K8MFO 57 EN90 S TI2NA
 06021905 WA8MVG 57 EN82 S TI2NA
 06021912+WB8MVE 57 EN81 S TI2NA
 06021920 KN8D 55 EN80 S TI2NA
 06040139 WA3AHI 55 EM74 S TI2NA
 06040152 N9MKC 57 EN71 S TI2NA
 06040159+N8MM? TI2NA
 06040208 W0JRP 55 EM47 S TI2NA
 06070000+W9, EM69 K6QXY
 06071430 NOLL/B (-1500) B K6QXY
 06080430 NOLL/B 50.077 B KD6GDL
 06122100+W8,W0 (ND,SD,NEB,OH,MI) K6QXY
 06160050+NOLL/B (<0400) B K6QXY
 06262136 NOLL/B 459 KS EM09 50.077 B K6FV
 06281752 NOLL/B 459 &1946,&2307 B K6FV
 06290123 NOLL/B 579 KS EM09 50.077 B K6FV

United States, Western (CM,CN,DM,DN):

05132230 K6FV/B B WB8YFE
 05132230 W0 COLO B WB8YFE
 05140305 W7US/B DM42 B C6AGN
 05141725 W0 KS, CO WB8YFE
 05141752 N5JHV DM62 C6AGN
 05142130 W7 AZ DM43 WB8YFE
 05212306 W5FF WB8YFE
 05220000+W5,W0 (-0200) K6QXY
 05230000+W5,W7,W0 (-0300) K6QXY
 05230200 N5JHV NM 50.150 S WA6VDF/7
 05230222+K6UIY 50.146 H WA6VDF/7
 05230222+KJ6HI 50.150 H WA6VDF/7
 05230222+NI6AA 50.127 H WA6VDF/7
 05230222+W9SE/7 AZ 50.125 H WA6VDF/7
 05230222+WA7KUM AZ 50.145 H WA6VDF/7
 05230227 WA7EPU NM DM62 50.125 S WA6VDF/7
 05230250 N5MYI NM DM72 50.150 S WA6VDF/7
 05230300 N6BK DM14 50.140 S WA6VDF/7
 05230310 WB6WLR DM13 50.160 S WA6VDF/7
 05230317 KB6VFC, K6VDP DM13 50.160 S WA6VDF/7
 05230354 K6FV/B 55 (-0500) 50.069 WA6VDF/7
 05230357+W5FF DM64 50.145 H WA6VDF/7
 05230427 W7XU CN85 56 S KD6GDL
 05230440+N7XTS DN16 53.29 R 50.145 S KD6GDL
 05230502 N0QJM CN85 S KD6GDL
 05230515 WX7R CN85 S KD6GDL
 05240033 N5JHV DM62 (NM) (-0102) 144. WB8YFE ES
 05240054 KG7FV CN85 S KD6GDL
 05240119 N5EPA 50.180 S KD6GDL
 05240127 AA4H DM86 50.230 S KD6GDL
 05240130 N6RMJ DM14 WB8YFE
 05240141 KN0DJ DN70 S KD6GDL
 05240202 N5WMF DM65 50.180 S KD6GDL
 05240214 W7US/B 579 AZ DM42 50.069 B K6FV
 05240216 N7WVZ DN20 50.155 S KD6GDL
 05240234 WB7QBC DN31 50.150 S KD6GDL
 05240245 NJ7A DN30 50.142 S KD6GDL
 05240258 N7DMO DN52 52.49 F KD6GDL
 05240305 KB7VUV OGDEN UTAH 52.525 F KD6GDL +10
 05240310 KB7CVH MORGAN C. UT 52.525 F KD6GDL +10
 05250200 W5,W0 (-0300) K6QXY
 05281500 W5,W0 (-1800) K6QXY
 05281550 K7ND CN87 S KD6GDL
 05281633 K7RWT CN85 S KD6GDL
 05281649 KC7IJ DN44 S KD6GDL

05300230 W5,W7,W0 (-0400) K6QXY
 05300245 KB7YWJ DN53 52.525 F 50.155S KD6GDL
 05300301 KE7OI DN31 S KD6GDL
 05300318 N0YNP DN81 (WD0BQM'S XYL) H KD6GDL
 05301810 N7BUP 55 DM41 S TI2NA
 05301811 WB7ETR 57 DM33 S TI2NA
 05301811 WB7SLY 55 DM33 S TI2NA
 06011800 W5 (NM) (-1900) K6QXY
 06020250+KA0CDN/B B K6QXY
 06020250+W0MTK/B B K6QXY
 06021600 W5 (NM) (-1700) K6QXY
 06030317 N5JHV 59 DM62 & 0342 C S TI2NA
 06030327 WA7JTM/7 55 DM53 S TI2NA
 06031500 W5, W7 (& BACKSCATR) (-1600) K6QXY
 06040214 W5FF 59 DM64, K5FF S TI2NA
 06040220 AA6TT 57 DM67 S TI2NA
 06040229 WA7JTM 55 DM53 S TI2NA
 0605TEST W5,XE2,W4 K6QXY
 06070000 W0,7,5 (<0500) K6QXY
 06070159 KD7UK CN87 XE1J
 060702 N0YNE DN81 H KD6GDL
 06070215 W0RU DM78 H KD6GDL
 06070439 K6FV/B CM87 50.068 B KD6GDL
 06080300 W5 (NM, TX) (-0400) K6QXY
 06122100+W7 (WY) (<2400) K6QXY
 06160050+W0IJR/B (<0400) B K6QXY
 06210037 W0IJR/B 569 CO DM79 50.064 B K6FV
 06210037 W0MTK/B 459 CO DM59 50.065 B K6FV

On June 25, between 1700 and 1740Z, David Batcho, N5JHV, located at a site overlooking Las Cruces, NM, was heard from Northern Europe to the Mediterranean and Russia. Apparently he was tipped off by European 48.250 MHz video. He worked ON4KST, PA3BFM, PA2VST, and four Gs. KN5S, in Las Cruces, was also on the band, but couldn't hear the Europeans.

06262126 KA0CDN/B 459 CO DM79 50.064 B K6FV
 06280304 W0MTK/B 459 CO DM59 50.065 B K6FV
 06280304 WR7V/B 569 WA CN87 50.075 B K6FV
 06281604 KA0CDN/B 569 CO DM79 50.064 B K6FV
 06281604 W0MTK/B 569 CO DM59 50.065 B K6FV
 06281946 W0MTK/B 589 CO DM59 50.065 B K6FV
 06290023 KA0CDN/B & W0MTK/B 579 B K6FV

News of Oceania

Australia, General, VK2,3:

04100711 VK3OT 579 50.110 C+S HL9UH
 05200300 VK2, VK4 (-0310) ZL4AAA ES
 05210522 VK VIDEO (-0650) 46.171 V ZL4AAA ES

Australia, Queensland (VK4):

04010558+VK4JH,VK4KK,VK4ALM 50.110 S HL9UH
 04010604+VK4ZAL,VK4HT,VK4VW 50.110 S HL9UH
 04010612 VK4JH 59 50.110 S HL9UH
 04021049 VK4TL 45 50.110 S HL9UH
 04051015 VK4SIX 51 & VK4TL 50.110 S HL9UH
 04090611 VK4JH 599 50.110 C HL9UH
 04090619 VK4WTN 52 50.115 S HL9UH
 04100722 VK4IAM 51 50.110 S HL9UH
 04100724 VK4PU 56 50.110 S HL9UH
 04170628+VK4GMH 57,VK4TUB 56 50.110 S HL9UH
 04180935 VK4KK 569 50.110 HL9UH
 04190917 VK4KK 539 50.110 C HL9UH
 04190947+VK4ZJR 57 50.105 H HL9UH
 05072256 VK4RGG/B (-2332) ECHO B ZL4AAA ES
 05100010 VK4RGG/B (-0150) B ZL4AAA ES
 05100059 VK4APG ZL4AAA ES
 05100230 VK4RGG/B (-0305) B ZL4AAA ES
 05110240 VK4RGG/B (-0406) B ZL4AAA ES
 05120408 VK4RGG/B (-0427) B ZL4AAA ES
 05170330 VK4RGG/B (-0816) S5 0740-0805 ZL4AAA ES
 05200237 VK4RGG/B 59 (-0712) B ZL4AAA ES
 05200533 VK4 TO 89.3 MHZ (-0535) F ZL4AAA ES
 05210535 VK4RGG/B JUST ABOVE NOISE B ZL4AAA ES
 05231024 VK4RGG/B (-1146+) B ZL4AAA ES
 05240129-VK4RGG/B 559 (-0142) B ZL4AAA ES
 05251041 VK4RGG/B 319 <-(-1210) B ZL4AAA TROP
 05251146 VK4PU 59 1290 MI 50 ZL4AAA TROP
 05251150 VK4APG 55 1290 MI 144.1 ZL4AAA TROP
 05251202 VK4APG 51 (-1205) 50.110 S ZL4AAA TROP
 05270025 VK4RGG/B (-0142+) B ZL4AAA ES
 05280215 VK4RGG/B (-0357) B ZL4AAA ES
 05290248 VK4RGG/B (-0305) B ZL4AAA ES

Australia, West & North (VK6 & VK8):

04010610 VK8ZLX 53 QG66	50.110 S HL9UH
04090614 VK6RJ 59 BROOME	50.115 S HL9UH
04160904 VK8AH 54 ANDREW	50.110 S HL9UH
04170623 VK6PU 59 JOHN	50.110 S HL9UH

Hawaiian Is.:

06210323 KH6HME/B (-0430)	50.	B K6QXY ES
---------------------------	-----	------------

Malaysia (Sabah):

04250953 9M6SMC/B S2 OJ85AX	50.0143 B HL9UH NFSK
05110935 9M6SMC/B	50.014 B JA5CMO
05140820 9M6SMC/B	50.014 B JA1VOK
05140855 9M6SMC/B	50.014 B JA5CMO
05231325 9M6SMC/B	50.014 B JA1VOK
06052350+9M6SMC/B (-050130)	50.014 B JA

New Zealand:

04010606 ZL2AGI 41	50.110 S HL9UH
04010611 ZL2KT 51 RF82	50.110 S HL9UH
04040939 ZL3TY 53	50.110 S HL9UH
04240657 ZL4AAA 47 BOB	50.100 S HL9UH
05100100 ZL4AAA 59	50.110 S VK4APG
05100125 ZL1MQ BACKSCATTER FROM W	ZL4AAA ES
05120523 ZL SOLAR NOISE BURST -0525	ZL4AAA
05251152 ZL4AAA 53	144.1 S VK4APG TROP
05251205 ZL4AAA 51	50.110 S VK4APG TROP

Ogasawara Is.:

05140951 JD1/JL1ICP	50.202 JH1BSJ
05280155 JD1BIE/JD1	50.260 JH1BSJ

Papua/New Guinea:

04200844 P29CW 57 PETE	50.110 S HL9UH
------------------------	----------------

Philippines:

05072310 DX1HB/B	50.008 B JA5CMO
05081630 DX1HB/B	50.008 B JR6VSP
05100715 DX1HB/B	50.008 B JA3JTG
05130105 DX1HB/B	50.008 B JA5CMO
05131205 DX1HB/B	50.008 B JA5CMO
05140910 DX1HB/B	50.008 B JA1VOK
05140933 DU1GF	50.109 JA1VOK
05181120 DX1HB/B	50.008 B JA3JTG
05191125 DX1HB/B	50.008 B JA5CMO
05230700 DX1HB/B	50.008 B JA3JTG
05230815 DX1HB/B	50.008 B JA3GR
05231000 DX1HB/B	50.008 B JA5CMO
05231342 DU1/N1AWR	50.110 C JR6VSP
05231345 DU1/N1AWR	50.110 C JA5CMO
05260840 DX1HB/B	50.008 B JA3JTG
05280242 DX1HB/B	50.008 B JA1VOK
05282350 DX1HB/B	50.008 B JA5CMO
05290900 DX1HB/B	50.008 B JA5CMO
05300057 DX1HB/B S3	B HL9UH
06042350 DX1HB/B (-050130)	50.008 B JA
06110000 DX1HB/B (-0430)	JA

News of South America**Argentina:**

04040145 LU5JAV	TI2NA
04040200 LU9EHF	TI2NA
04070228 LU8MBL	TI2NA
04070232 LW5EJU	TI2NA

Aruba:

05292150 P4/OJ1HJP 55 FK42	S TI2NA
05301400+P4/OZ1HJP (<1700)	K6QXY

Brazil:

04030230 PY5CC	TI2NA
04030235 PY5KAH	TI2NA
04030300 PY5 RESP.B.	50.280 B TI2NA
04070210 PY5 RESP.B.	50.280 B TI2NA
04070216 PY5CC	TI2NA

Chile: Kevin Szot, XQ3SIX/KB6SL, writes from Santiago that he is moving to a new QTH with excellent 6 meter potential and is considering EME.

French Guiana:

04030220 SOUTH AM. BCN 50.037 FSK	B TI2NA
05171810 FY7THF/B	50.037 B F1XME
0518 _____ FY7THF/B	B 5T5JC

Uruguay:

04040300 CX1CCC	B TI2NA
-----------------	---------

Venezuela:

04172250 YV4AB/B	50.025 B TI2NA
05042325 YV4AB/B	B C6AGN
05301400+YV4AB/B (<1700)	50.025 B K6QXY
06011645 YV4AB/B 599 (-1845)	B TI2NA

Perseids 1994

August 1994's **Sky and Telescope** indicates that the Earth will cross the Periodic Comet Swift-Tuttle's orbit plane at about 7h UT August 12. Since the peak in 1991 was 3 hours after, in 1992 was at, and in 1993 was about 2 hours after, they suggest that the peak (~3-4 times the shower's normal rate) might arrive any time between 0700-1100Z.

Beacon News

W3OTC sent me a beacon questionnaire, and will apparently continue the KA3B tradition of keeping the 50 MHz beacon list. Meanwhile, however, Ray Clark of SMIRK sent me a list compiled by K1TOL and K1CFJ. I cross-checked that list with reports from the last nine months of bulletins and compiled a list of stations **not heard**. I sent that list to a number of our correspondents asking them to listen for them, and will include a more final unheard/unknown list next month.

Bob, W3OTC's, project, which he will talk about at the Central States VHF Conference, is to automate beacon monitoring. He states that all the major features are "working" now: 1) tuning to each of a list of frequencies to find beacons; 2) trying to copy code on the "beacon" frequencies that have signals; 3) matching the code against what beacons are known to send; 4) plotting the propagation path on a map; 5) copying DX Cluster postings and color coding them; 6) only accepting DX Cluster postings above chosen frequencies; 7) logging all of the above to disk.

Bonaire: W3OTC reports: "PJ4B is not on the air. I got Chet's (PJ9EE) old beacon 'working', but he claims that it was zapped by lightning within a week of activation. I visited him for an hour so (in Bonaire) in January. He is not well and doesn't operate."

Gibraltar: W3IWU reports that the ZB2VHF beacon returned to the air June 19.

Hong Kong: According to JA1VOK's World VHF News column in **Five Nine**, HARTS is planning to fix both VS6TEN & VS6SIX beacons as new VR2TEN & VR2SIX to be back on the air.

Marshall Is.: Ted, NH6YK, relays from KH6HH June 23: "The V73AX beacon is off pending approval to install it on an island near Kwajalein, possibly Roi Namur. Hopefully during my trip in October it can be installed and put back into operation. It presently causes interference and can only run intermittently until relocated."

Portugal: G4UPS reports that despite strong Sporadic-E openings into CT, neither the CT0SMB (50.100) nor the CT0 beacon on 28.200 MHz have been heard or reported, so it looks as if both these beacons have been taken off the air.

Tennessee: W3OTC reports that the N4MW beacon (50.070) is off the air--for good, it turns out since his job has moved to Richmond, VA, effective mid-August. He hopes to get beacons back on in Virginia as soon as he is settled.

Wales: W3IWU reports that GB3SIX is presently off the air but GWs are attempting to resolve that.

DX-pedition News

Asiatic Russia: The only word I have received from UA0MF via K6QXY was published in the January bulletin. He mentioned the 3rd monday of the month between 0001 and 0500Z, when the Vladivostok TV transmitter is down for testing or repair. I see this showing up as July 18, 01Z-05Z from IOTA-66 in SM7AED's bulletin. I hope somebody has later word.

Belize: Bill, W6YLL, announces that he will be in Belize July 6 to July 20. He will be traveling, but will work 6 meters with an Icom 736 and 4 or 5 element beam, 50.110 and 50.125 MHz. His call will be V31DW.

British Virgin Is., Leeward Is.: Jimmy, W6JKV, and Mike, K6MYC, will operate six and two meters from VP2V July 7-16. They will be equipped for EME as well as well as terrestrial DX.

Canadian Arctic: From SM7AED's 6-metre Info: "The joint services expedition to Ellesmere Island (VE8) was due to reach its destination (80.38N 85.26W) and begin operation ASAP thereafter. This is a scientific expedition with limited radio time, but has beacons with 50.018 or 50.005 xtals with 15 Watts and 28.1925 with 28.1975 backup. Beacon pattern is 190 (short) dots at 38 dpm followed by call sign de VE8RAF at 15 wpm. Operating pattern ODD dates 28 MHz, EVEN days 50 MHz initially; daily if powers allows up to about August 12. Expedition has 50 MHz transceiver; likely frequency not known. Grid thought to be FQ12 {the lat.-long. given above correspond to ER70}. HF frequencies (cw) 3515, 7015, 10112, 14005, 18070, 21055. CW preferred mode, but may use 14142, 14290, 21055 ssb. Callsign VE8RAF, operator G0HBA. Expedition requests reports on all instances of beacon reception. Please e-mail (G3SUF) at poa01@cc.keele.ac.uk or by packet to G4SRH@N6QMY.

Denmark, Bornholm Is.: OZ3SDL/p is supposed to show up from JO74NX between July 31 and August 6.

Greenland: OZ1DJJ is supposed to operate as OX3LX from GP44, GP34, and GP35 between August 10 and September 1.

Norway: LA5TFA/p, with 20W + 4el, is supposed to be QRV from JP88 August 9 20Z to August 12 14Z; and from JP98 from August 12 20Z to August 14 10Z.

EME News

From W7HAH: Worked W7FN on six meter EME on June 1. Received a letter from CT1WW stating that he will be coming on six meter EME with four Yagis, a kW, and az/el capable.

Fred, W5FF, completed EME with SM7BAE on March 27, and with W7FN in ten minutes on May 21, bringing my EME total now to 10 stations: 5 DXCC countries, 4 states, and 10 grids. I did work Shep, W7HAH, on EME, but that was using my array of four 24-ft 7-element HB Yagis. Fred's list of 6 m EME QSOs is: OH2BC, WA4NJP, K6QXY, W6JKV, W7HAH, K6MYC, I5MXX, SM7BAE, VE6JW, and W7FN. His XYL, K5FF, has worked all but the last two.

Contest News

W7HAH writes: Es conditions so far this season (June 15) have been very poor. The ARRL June VHF Contest this year was, by my account, very poor. The main reason being that it was too early in June. Weather conditions in the Northwest are usually terrible, with thunderstorms, heavy rains, and snow at higher elevations, so mountain topping is impossible.

Comments from many hams that were in the contest were irked that ARRL set up the VHF Contest a week earlier (than usual).

Scientists in and around 6m

Here's the rest of the information from March 1994 JATP on the 54.95 MHz sounder near Trivandrum India. The paper is entitled "Night-time equatorial F-region zonal plasma drifts from VHF backscatter radar observations." It was written by B.V. Krishna Murthy and K.S.V. Subbarao of the Space Physics Laboratory, Vikran Sarabhai Space Centre, Trivandrum 695 022 INDIA. The antenna is oriented towards the West with a 30 deg angle to the zenith. They are using a pulse transmitter with 20 kW peak power. They report results from December 22 when they received Spread F echoes from 220 km to greater than 500 km altitude due to "bubbles", depletion regions which rise through the equatorial F-region after ionospheric sunset.

Note the difference between the experiments at Trivandrum and Crete (reported last month). The Crete experiment is investigating field-aligned reflection in the E-region. SM7AED, in his June 6-metre Info, relays a report from SV1DH that SZ2DF is involved with experiments this summer at the Crete (KM25) facility. Continuous carrier on 50.521--no ID--1 kW to 4 x 16 el Yagis.

Central States VHF Conference

Readers are reminded of the Central States VHF Society Conference, which will be held July 28-30 at the Wilson World Hotel in Memphis, TN. Six meter DXer CT1WW has promised an appearance, and speakers include W7HAH, VK6Z, VE3VD, W9IP, W3OTC, W3XO, W3IWI, WA4NJP, WA5EJB, and WB5IGF. Sunday there will be an open house at the QTH of W4HHK.

This year's president is Dave Meier, N4MW, 3205 Covington Pike, Memphis, TN 38123-5017 (901) 382-4919.

Eastern VHF/UHF Conference

The 20th Eastern VHF/UHF Conference will be held August 27 and 28, 1994 at Quality Inn & Conference Center, 51 Hartford Turnpike, Vernon, CT 06066. Registration at the door will be \$25, but reduced rate preconference registration may be made before August 19 by mailing to Byron Blanchard, N1EKV, 16 Round Hill Road, Lexington, MA 02173 (617)-862-1380.

Talks scheduled include: Paul Wade, N1BWT--Parabolic Dish Design; Jeff Klein, WA2TEO--VHF Contesting Strategies and Results; Larry Filby, K1LPS--Low Cost 10 GHz Wideband FM Gear; Peter Traneus Anderson, KC1HR--Digital Receiver Design; David Upton, WB1CMG--Practical Solid State Amplifier Design; Emil Pocock, W3EP--Of the World Above 50 MHz; more!